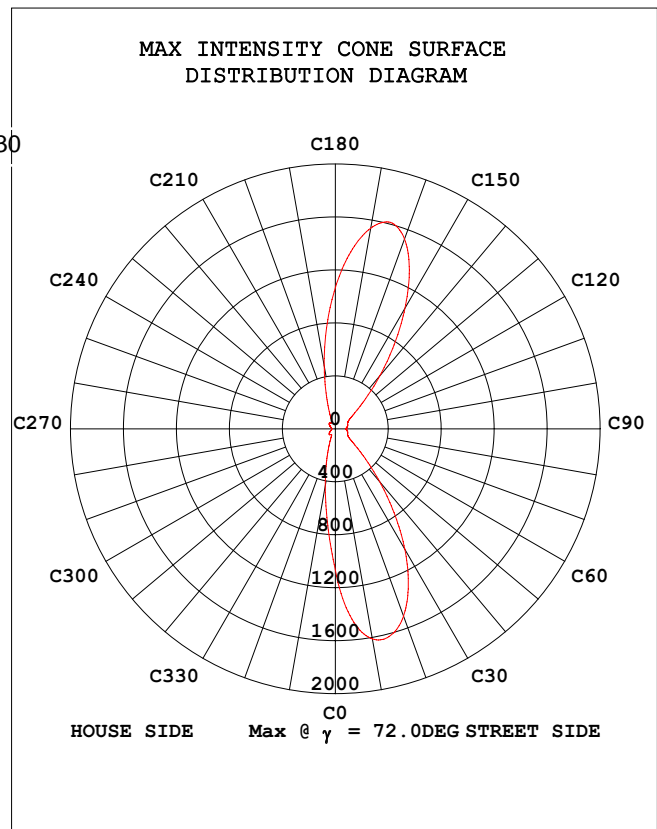
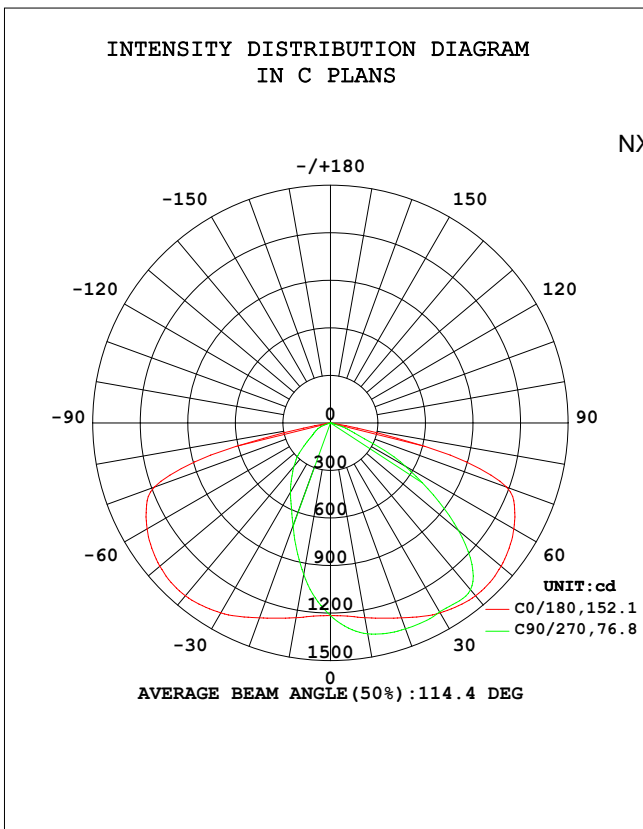


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.1576A P:32.66W PF:0.9012 Lamp Flux:4085.77x1 lm		
NAME: NX-30	TYPE:30W	WEIGHT:
SPEC.:4000K Ra70 75*150DEG R17601	DIM.: 0.775*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.09 lm/W			
MODEL	NX-30	I _{max} (cd)	1615	η street_up (%)	0.0
NOMINAL POWER (W)	30	LOR (%)	100.0	η street_down (%)	67.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	4086	η house_up (%)	0.0
NOMINAL FLUX (lm)	4085.77	MAXIMUM @ (C, γ)	15,72.0	η house_down (%)	32.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	



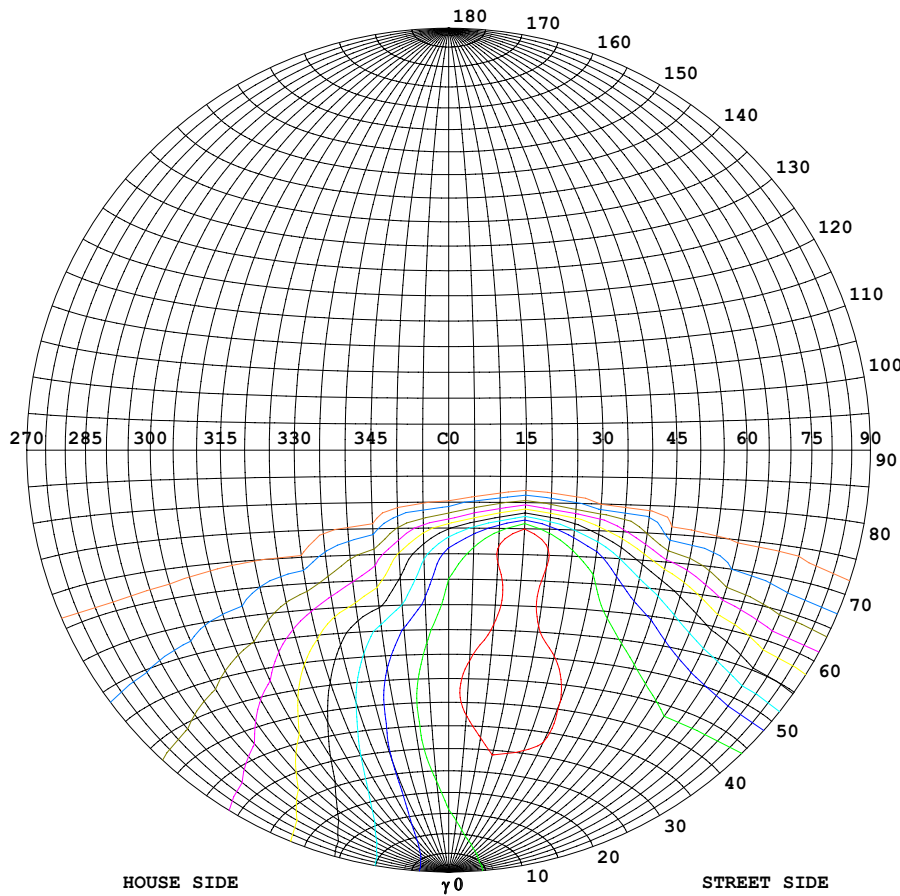
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:
 Note: SLI:Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type III - Medium
 CIE:Narrow - Long
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:96.69cd/klm
 Max.At90:0cd/klm
 Max.80-90:96.69cd/klm
 NRB 5101:Limited[5.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1615
90%	1453
80%	1292
70%	1130
60%	969
50%	807
40%	646
30%	484
20%	323
10%	161
5%	81

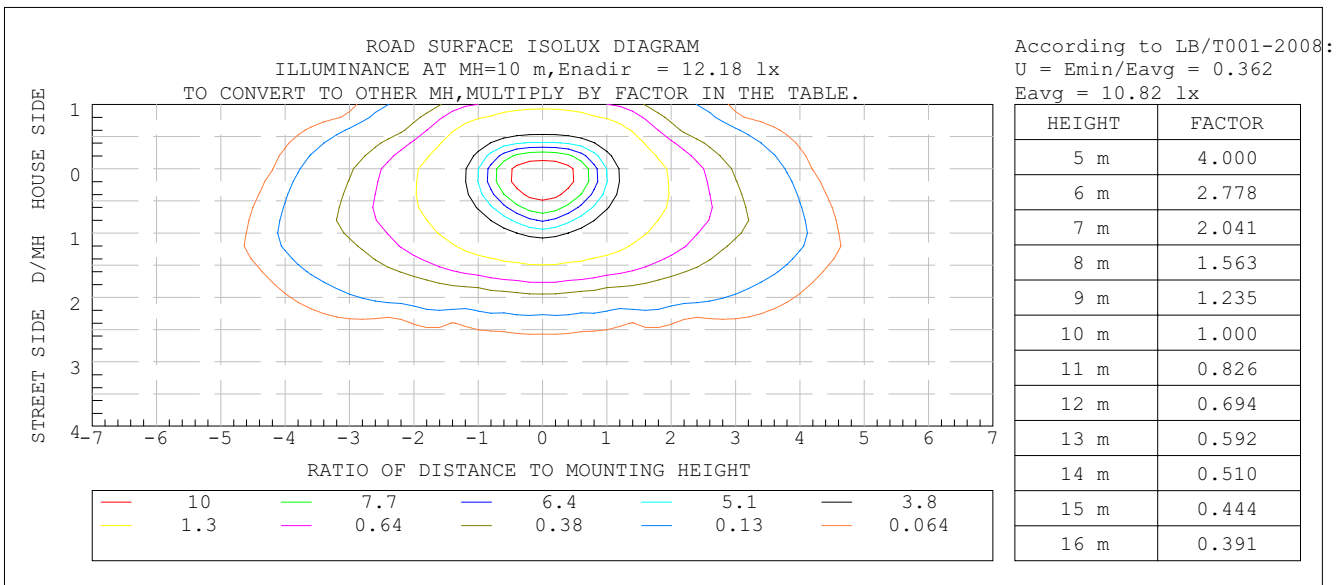
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Checker:

Assessor:

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1248	1331	1351	1331	1248	1069	972.0	1069	0- 10	115.4	115.4	2.83,2.83
20	1309	1389	1383	1389	1309	900.8	691.4	900.8	10- 20	334.6	450.1	11,11
30	1384	1396	1377	1396	1384	749.3	505.4	749.3	20- 30	527.2	977.2	23.9,23.9
40	1424	1376	1375	1376	1424	602.0	359.0	602.0	30- 40	686.7	1664	40.7,40.7
50	1406	1296	1055	1296	1406	442.1	206.2	442.1	40- 50	783.8	2448	59.9,59.9
60	1336	1107	544.7	1107	1336	201.8	114.9	201.8	50- 60	751.7	3199	78.3,78.3
70	1182	518.9	114.5	518.9	1182	76.80	48.20	76.80	60- 70	585.2	3785	92.6,92.6
80	99.48	41.68	4.267	41.68	99.48	7.829	0.3769	7.829	70- 80	288.8	4073	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	12.37	4086	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4086	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4086	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4086	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4086	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4086	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4086	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4086	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4086	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4086	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

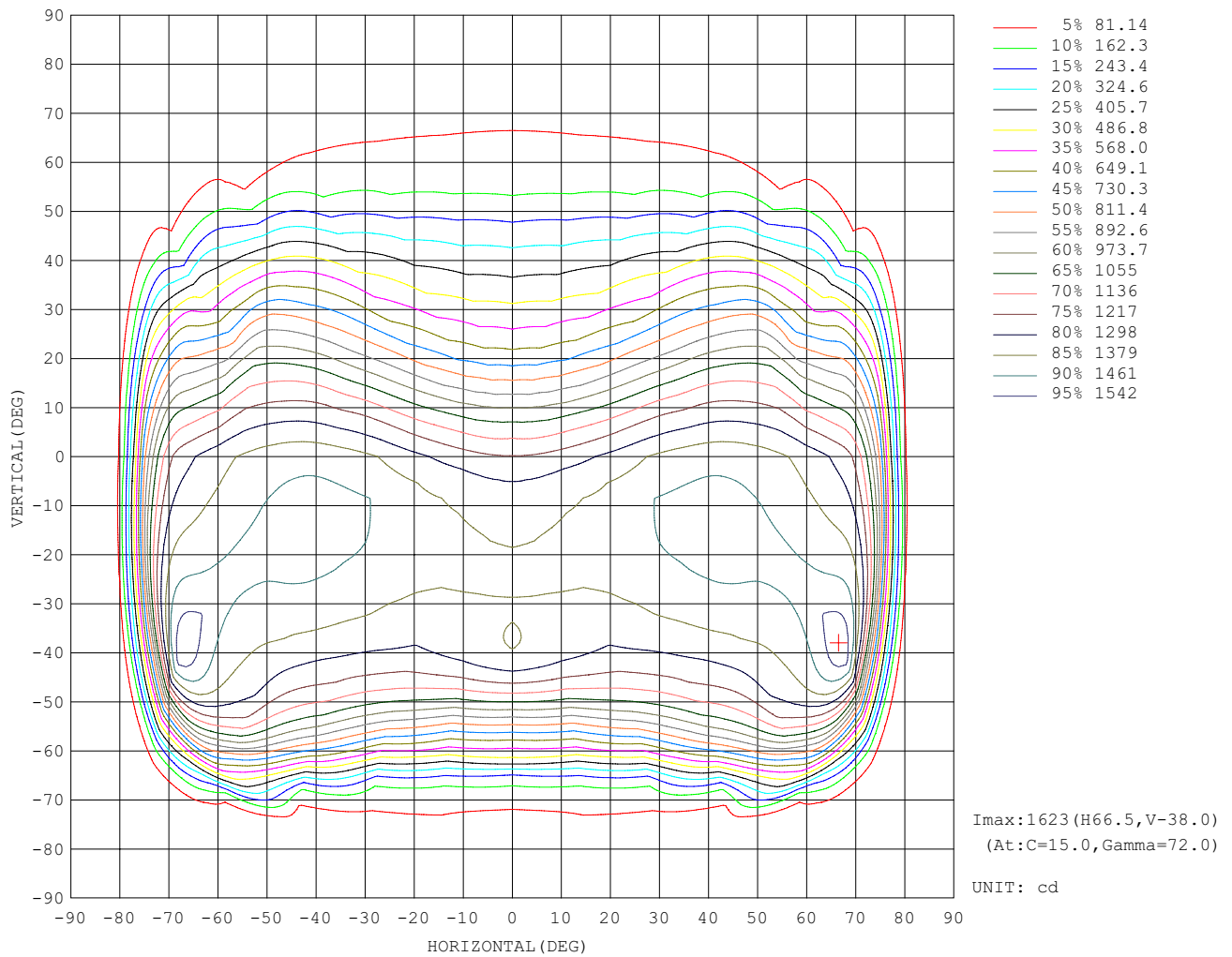
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:

Assessor:

ISOCANDELA DIAGRAM



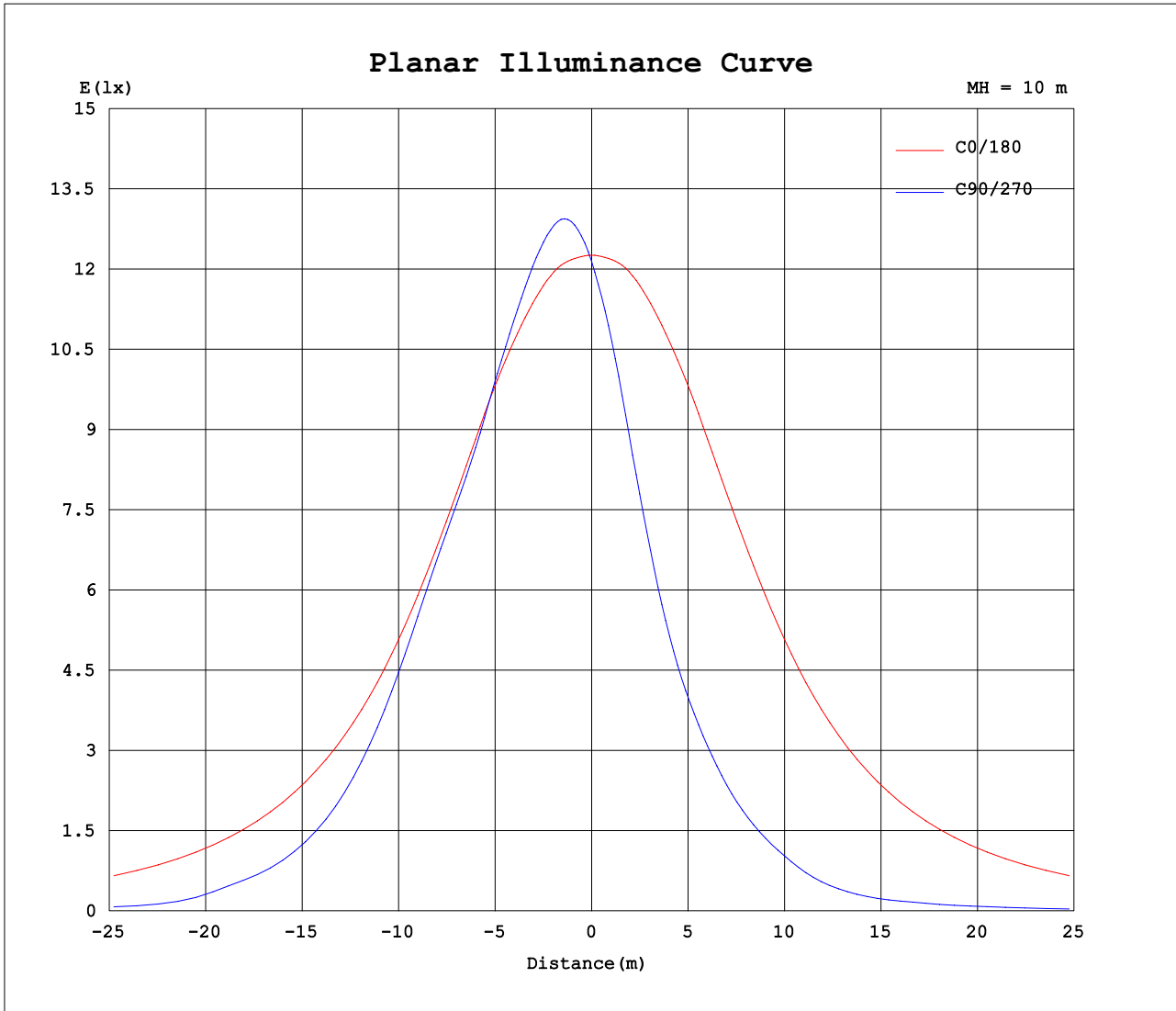
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

Checker:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

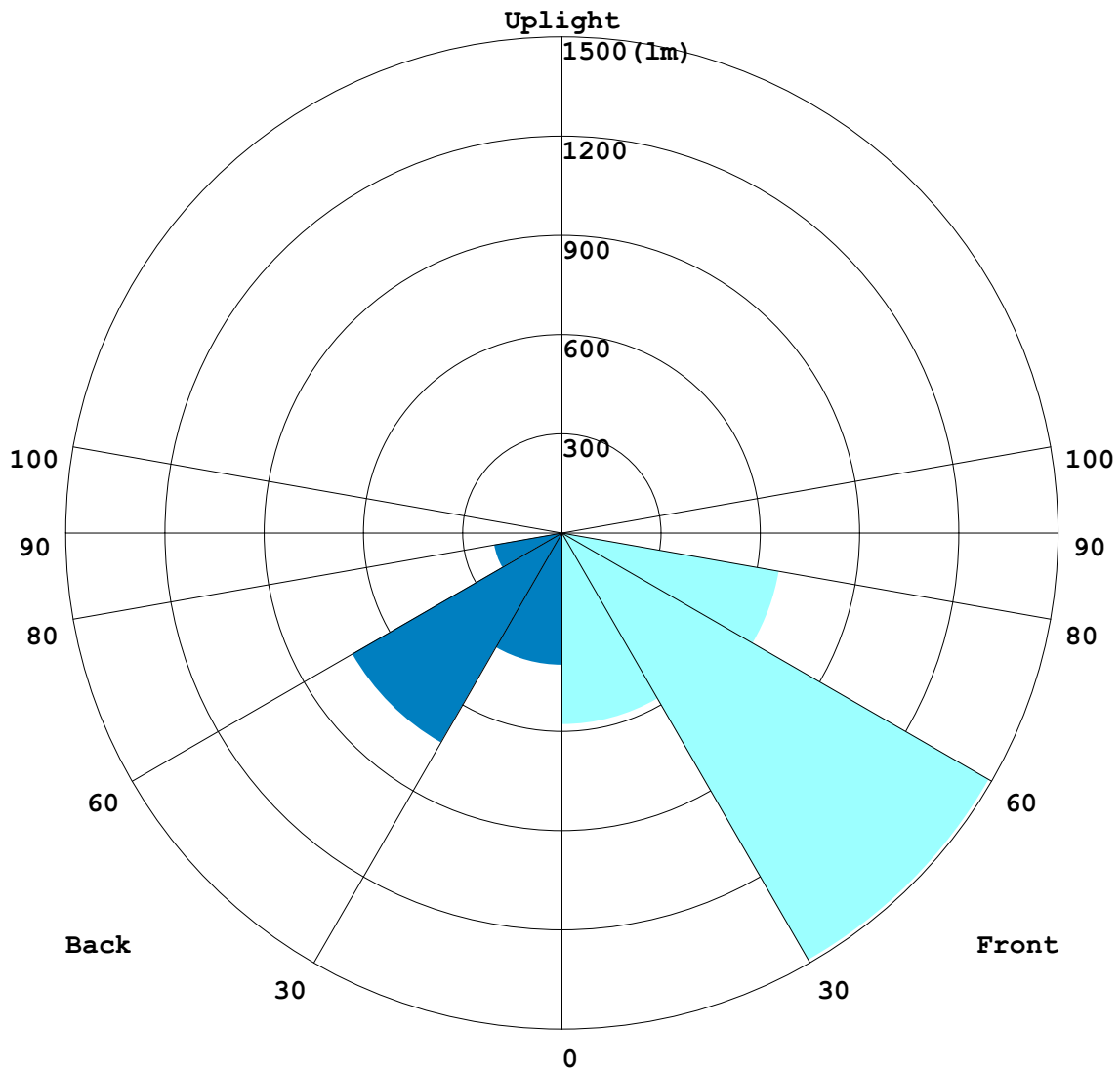
Checker:

Assessor:

LCS REPORT

Test:U:230.0V I:0.1576A P:32.66W PF:0.9012 Lamp Flux:4085.77x1 lm		
NAME: NX-30	TYPE:30W	WEIGHT:
SPEC.:4000K Ra70 75*150DEG R17601	DIM.: 0.775*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:

Assessor:

BUG REPORT

Test:U:230.0V I:0.1576A P:32.66W PF:0.9012 Lamp Flux:4085.77x1 lm		
NAME: NX-30	TYPE:30W	WEIGHT:
SPEC.:4000K Ra70 75*150DEG R17601	DIM.: 0.775*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	578.32	14.2
FM - Front-Medium(30-60)	1490.4	36.5
FH - Front-High(60-80)	666.28	16.3
FVH - Front-Very High(80-90)	10.461	0.3
Total Forward Light	2745.5	67.2

BL - Back-Low(0-30)	398.9	9.8
BM - Back-Medium(30-60)	731.78	17.9
BH - Back-High(60-80)	207.68	5.1
BVH - Back-Very High(80-90)	1.9073	0.0
Total Back Light	1340.3	32.8

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1340.3	0	1340.3
Street Side	2745.5	0	2745.5

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

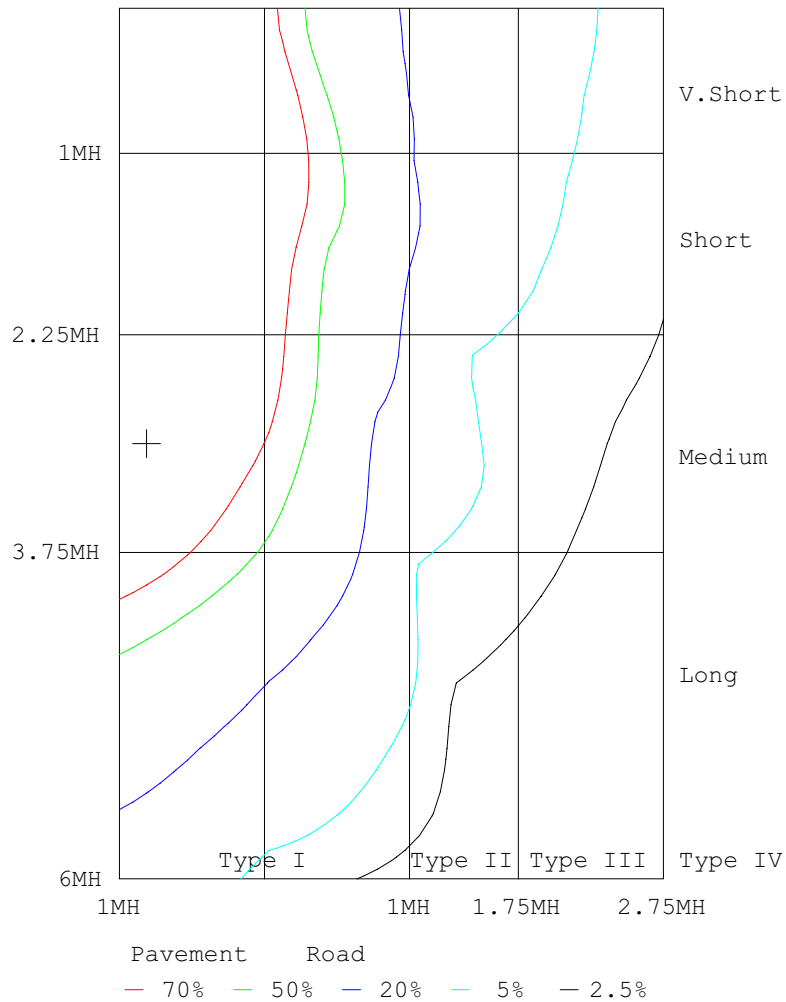
Checker:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.0V I:0.1576A P:32.66W PF:0.9012 Lamp Flux:4085.77x1 lm		
NAME: NX-30	TYPE:30W	WEIGHT:
SPEC.:4000K Ra70 75*150DEG R17601	DIM.: 0.775*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216
5	1224	1245	1263	1278	1288	1296	1299	1296	1288	1278	1263	1245	1224	1197	1169	1144	1125	1112	1108
10	1248	1287	1314	1331	1341	1349	1351	1349	1341	1331	1314	1287	1248	1192	1131	1069	1017	982	972
15	1275	1328	1359	1369	1369	1373	1374	1373	1369	1369	1359	1328	1275	1195	1094	986	899	844	827
20	1309	1370	1392	1389	1384	1382	1383	1382	1384	1389	1392	1370	1309	1200	1051	901	786	714	691
25	1348	1412	1417	1399	1385	1385	1386	1385	1385	1399	1417	1412	1348	1209	1010	824	685	608	585
30	1384	1450	1438	1396	1376	1376	1377	1376	1376	1396	1438	1450	1384	1214	973	749	600	528	505
35	1408	1479	1447	1388	1351	1362	1384	1362	1351	1388	1447	1479	1408	1203	928	675	521	452	429
40	1424	1501	1445	1376	1316	1336	1375	1336	1316	1376	1445	1501	1424	1193	878	602	449	380	359
45	1423	1508	1438	1347	1264	1246	1263	1246	1264	1347	1438	1508	1423	1162	820	530	378	311	291
50	1406	1499	1420	1296	1167	1069	1055	1069	1167	1296	1420	1499	1406	1108	740	442	296	230	206
55	1377	1481	1381	1223	1008	825	794	825	1008	1223	1381	1481	1377	1025	630	329	199	157	143
60	1336	1478	1344	1107	768	571	545	571	768	1107	1344	1478	1336	787	472	202	132	117	115
65	1282	1499	1306	904	458	285	238	285	458	904	1306	1499	1282	593	257	115	94.5	88.6	89.9
70	1182	1585	1189	519	160	120	114	120	160	519	1189	1585	1182	397	86.8	76.8	65.1	52.7	48.2
75	782	1435	717	110	75.1	68.2	17.5	68.2	75.1	110	717	1435	782	112	51.0	35.6	23.5	6.67	2.44
80	99.5	395	76.5	41.7	36.6	33.4	4.27	33.4	36.6	41.7	76.5	395	99.5	24.1	15.9	7.83	1.25	0.47	0.38
85	3.91	5.31	6.40	6.82	6.95	6.48	2.57	6.48	6.95	6.82	6.40	5.31	3.91	3.75	2.54	1.34	0.75	0.49	0.47
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	1216	1216	1216	1216	1216														
5	1112	1125	1144	1169	1197														
10	982	1017	1069	1131	1192														
15	844	899	986	1094	1195														
20	714	786	901	1051	1200														
25	608	685	824	1010	1209														
30	528	600	749	973	1214														
35	452	521	675	928	1203														
40	380	449	602	878	1193														
45	311	378	530	820	1162														
50	230	296	442	740	1108														
55	157	199	329	630	1025														
60	117	132	202	472	787														
65	88.6	94.5	115	257	593														
70	52.7	65.1	76.8	86.8	397														
75	6.67	23.5	35.6	51.0	112														
80	0.47	1.25	7.83	15.9	24.1														
85	0.49	0.75	1.34	2.54	3.75														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-06-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:

Assessor: