

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888420

Luminaire Tested: **DPT5-6FO36-127V60-F-XX-UDD_4500K**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P888420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/24/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: DPT5-6FO36-127V60-F-XX-UDD_4500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

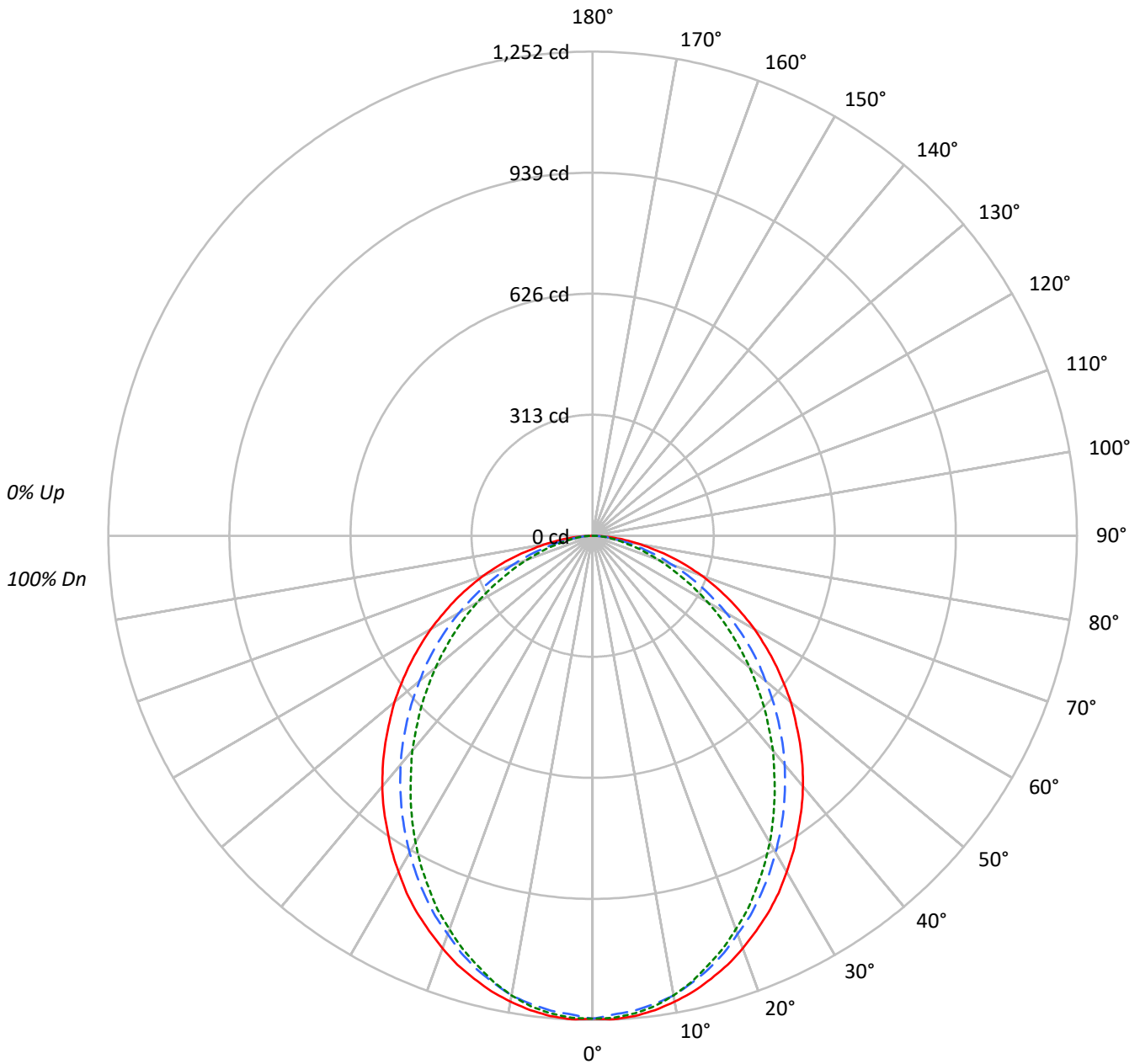
Lumens per Lamp: N/A
Luminaire Lumens: 2950.0 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 30
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P888420

CATALOG NUMBER: DPT5-6FO36-127V60-F-XX-UDD_4500K

Luminous Intensity Polar Plot





TEST NUMBER: P888420

CATALOG NUMBER: DPT5-6FO36-127V60-F-XX-UDD_4500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11876	11876	11876
5°	11903	11767	11837
10°	11812	11656	11656
15°	11672	11419	11328
20°	11490	11090	10958
25°	11281	10767	10529
30°	11019	10388	10057
35°	10752	9996	9525
40°	10503	9588	9005
45°	10198	9131	8434
50°	9892	8638	7842
55°	9541	8165	7211
60°	9183	7586	6528
65°	8768	6920	5747
70°	8289	6081	4958
75°	7625	5130	4127
80°	6715	4031	3467
85°	5652	3306	3088



TEST NUMBER: P888420

CATALOG NUMBER: DPT5-6FO36-127V60-F-XX-UDD_4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	4.0
10°-20°	328.4	11.1
20°-30°	476.2	16.1
30°-40°	542.5	18.4
40°-50°	528.8	17.9
50°-60°	445.0	15.1
60°-70°	311.8	10.6
70°-80°	159.9	5.4
80°-90°	39.9	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	922.1	31.3
0°-40°	1464.6	49.6
0°-60°	2438.4	82.7
0°-90°	2950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2950.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1247	1243	1233	1242	1240	118
15°	1186	1180	1160	1159	1150	334
25°	1075	1061	1026	1014	1003	495
35°	926	904	861	834	820	580
45°	758	731	679	641	627	585
55°	575	545	492	450	435	514
65°	390	357	308	270	255	386
75°	208	179	140	119	112	219
85°	52	35	30	29	28	60
90°	0	0	0	0	0	



TEST NUMBER: P888420

CATALOG NUMBER: DPT5-6FO36-127V60-F-XX-UDD_4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1248.7	1248.7	1248.7	1248.7	1248.7
2.5°	1251.5	1248.7	1239.2	1248.7	1247.6
5°	1246.8	1243.1	1232.6	1241.9	1239.9
7.5°	1237.3	1233.5	1221.2	1228.7	1227.0
10°	1223.1	1220.3	1207.0	1210.0	1207.0
12.5°	1207.0	1203.2	1184.3	1186.2	1181.7
15°	1185.5	1179.8	1159.8	1158.9	1150.5
17.5°	1162.8	1154.4	1130.6	1126.0	1119.4
20°	1135.3	1126.0	1095.8	1091.1	1082.7
22.5°	1105.2	1095.8	1063.9	1053.4	1046.6
25°	1075.0	1060.8	1026.0	1013.7	1003.4
27.5°	1041.2	1024.1	987.3	971.4	961.1
30°	1003.4	985.6	945.9	924.3	915.8
32.5°	966.5	945.0	904.4	879.9	868.7
35°	926.1	903.5	861.0	833.7	820.4
37.5°	887.4	860.0	816.6	784.8	771.3
40°	846.0	817.6	772.3	736.5	725.3
42.5°	802.4	773.2	726.0	692.2	674.2
45°	758.2	731.0	678.9	641.3	627.1
47.5°	711.8	683.8	631.7	593.2	577.1
50°	668.6	637.5	583.8	544.2	530.0
52.5°	621.4	589.5	539.3	495.9	481.8
55°	575.4	545.1	492.4	449.9	434.9
57.5°	528.1	495.9	445.2	403.6	390.5
60°	482.8	449.9	398.8	357.4	343.2
62.5°	434.9	403.6	351.8	314.0	299.8
65°	389.6	357.4	307.5	269.6	255.4
67.5°	344.1	312.3	264.0	228.3	217.1
70°	298.1	265.9	218.7	189.5	178.3
72.5°	252.8	221.6	178.3	151.8	145.4
75°	207.5	179.1	139.6	119.0	112.3
77.5°	161.1	138.5	105.5	89.7	84.0
80°	122.6	100.1	73.6	65.1	63.3
82.5°	84.8	65.1	49.2	46.0	45.3
85°	51.8	34.8	30.3	29.2	28.3
87.5°	21.9	15.0	14.2	14.2	13.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)