

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: P888545

Luminaire Tested: **DPT5-6FO55-61S30-F-XX-UDD**

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: P888545
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: DPT5-6FO55-61S30-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

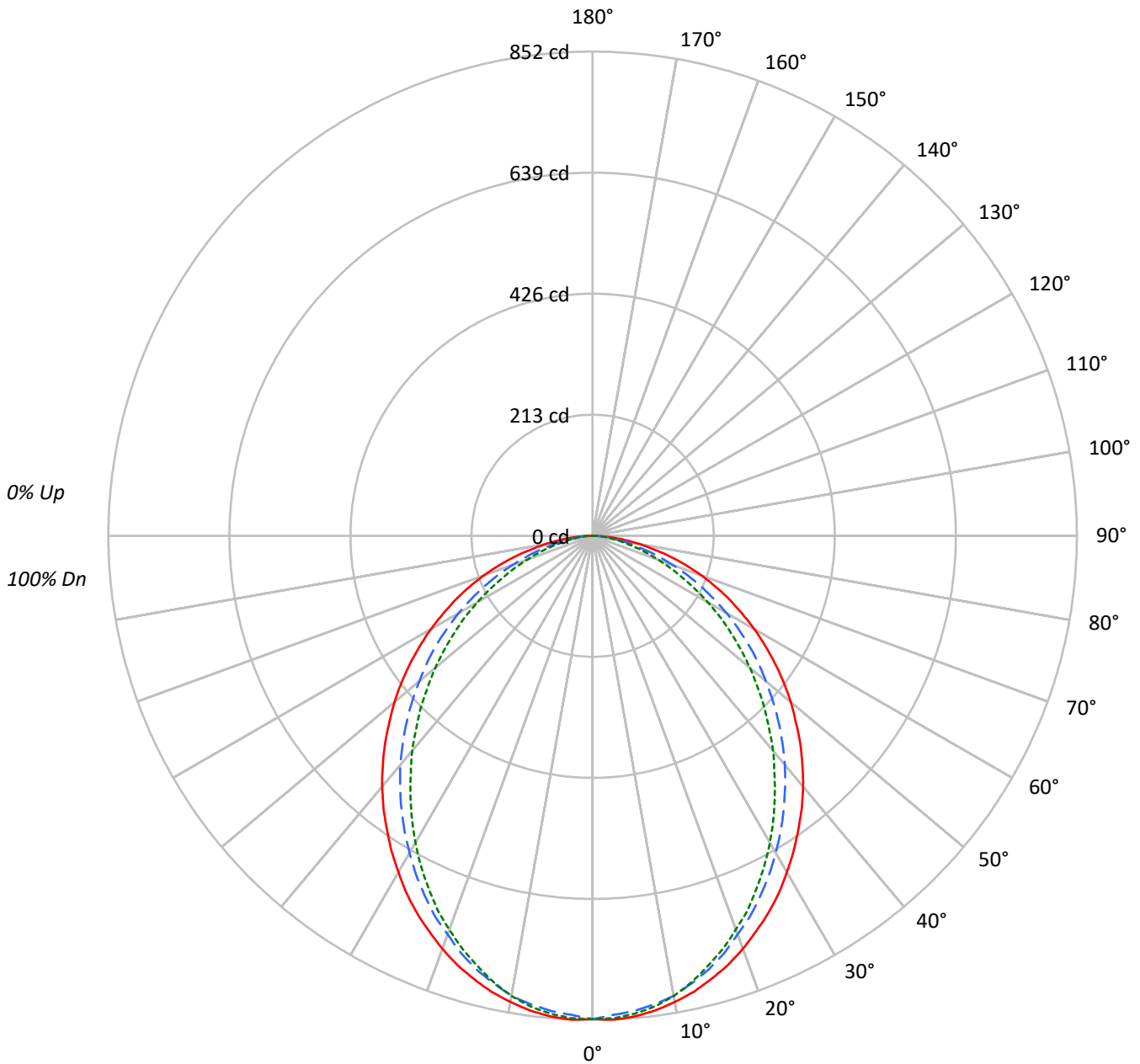
Lumens per Lamp: N/A
Luminaire Lumens: 2009.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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: P888545

CATALOG NUMBER: DPT5-6FO55-61S30-F-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888545

CATALOG NUMBER: DPT5-6FO55-61S30-F-XX-UDD

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°	5431	5431	5431
5°	5443	5381	5413
10°	5402	5331	5331
15°	5338	5222	5180
20°	5255	5071	5011
25°	5159	4923	4815
30°	5039	4751	4599
35°	4917	4572	4356
40°	4803	4385	4118
45°	4663	4176	3857
50°	4524	3949	3587
55°	4362	3734	3298
60°	4200	3469	2985
65°	4009	3164	2628
70°	3790	2780	2267
75°	3487	2347	1888
80°	3071	1846	1585
85°	2587	1509	1414



TEST NUMBER: P888545

CATALOG NUMBER: DPT5-6FO55-61S30-F-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	4.0
10°-20°	223.6	11.1
20°-30°	324.3	16.1
30°-40°	369.5	18.4
40°-50°	360.1	17.9
50°-60°	303.1	15.1
60°-70°	212.4	10.6
70°-80°	108.9	5.4
80°-90°	27.1	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°	628.0	31.3
0°-40°	997.4	49.6
0°-60°	1660.6	82.7
0°-90°	2009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	850	850	850	850	850	
5°	849	847	839	846	844	81
15°	807	803	790	789	784	228
25°	732	722	699	690	683	337
35°	631	615	586	568	559	395
45°	516	498	462	437	427	398
55°	392	371	335	306	296	350
65°	265	243	209	184	174	263
75°	141	122	95	81	76	149
85°	35	24	21	20	19	41
90°	0	0	0	0	0	



TEST NUMBER: P888545

CATALOG NUMBER: DPT5-6FO55-61S30-F-XX-UDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	850.4	850.4	850.4	850.4	850.4
2.5°	852.3	850.4	843.9	850.4	849.7
5°	849.1	846.6	839.4	845.7	844.4
7.5°	842.6	840.0	831.7	836.8	835.6
10°	833.0	831.1	822.0	824.0	822.0
12.5°	822.0	819.4	806.5	807.8	804.7
15°	807.4	803.4	789.8	789.3	783.5
17.5°	791.9	786.2	770.0	766.9	762.3
20°	773.2	766.9	746.2	743.0	737.3
22.5°	752.7	746.2	724.6	717.4	712.8
25°	732.1	722.4	698.7	690.4	683.3
27.5°	709.1	697.4	672.4	661.5	654.5
30°	683.3	671.2	644.2	629.5	623.7
32.5°	658.2	643.6	615.9	599.2	591.6
35°	630.7	615.3	586.4	567.8	558.7
37.5°	604.4	585.7	556.1	534.4	525.3
40°	576.1	556.8	526.0	501.5	493.9
42.5°	546.5	526.6	494.4	471.4	459.1
45°	516.3	497.9	462.4	436.7	427.1
47.5°	484.8	465.7	430.2	404.0	393.0
50°	455.3	434.1	397.5	370.6	361.0
52.5°	423.2	401.5	367.3	337.7	328.1
55°	391.8	371.2	335.4	306.4	296.2
57.5°	359.7	337.7	303.2	274.8	265.9
60°	328.8	306.4	271.6	243.4	233.7
62.5°	296.2	274.8	239.6	213.8	204.2
65°	265.3	243.4	209.4	183.6	173.9
67.5°	234.3	212.7	179.8	155.5	147.8
70°	203.0	181.1	148.9	129.0	121.4
72.5°	172.1	150.9	121.4	103.4	99.0
75°	141.3	122.0	95.1	81.0	76.5
77.5°	109.7	94.4	71.8	61.1	57.2
80°	83.5	68.1	50.2	44.3	43.1
82.5°	57.8	44.3	33.5	31.3	30.9
85°	35.3	23.7	20.6	19.9	19.3
87.5°	14.9	10.2	9.6	9.6	8.9
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)