

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: P888544

Luminaire Tested: **DPT5-6FO55-61S27-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: P888544
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: DPT5-6FO55-61S27-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

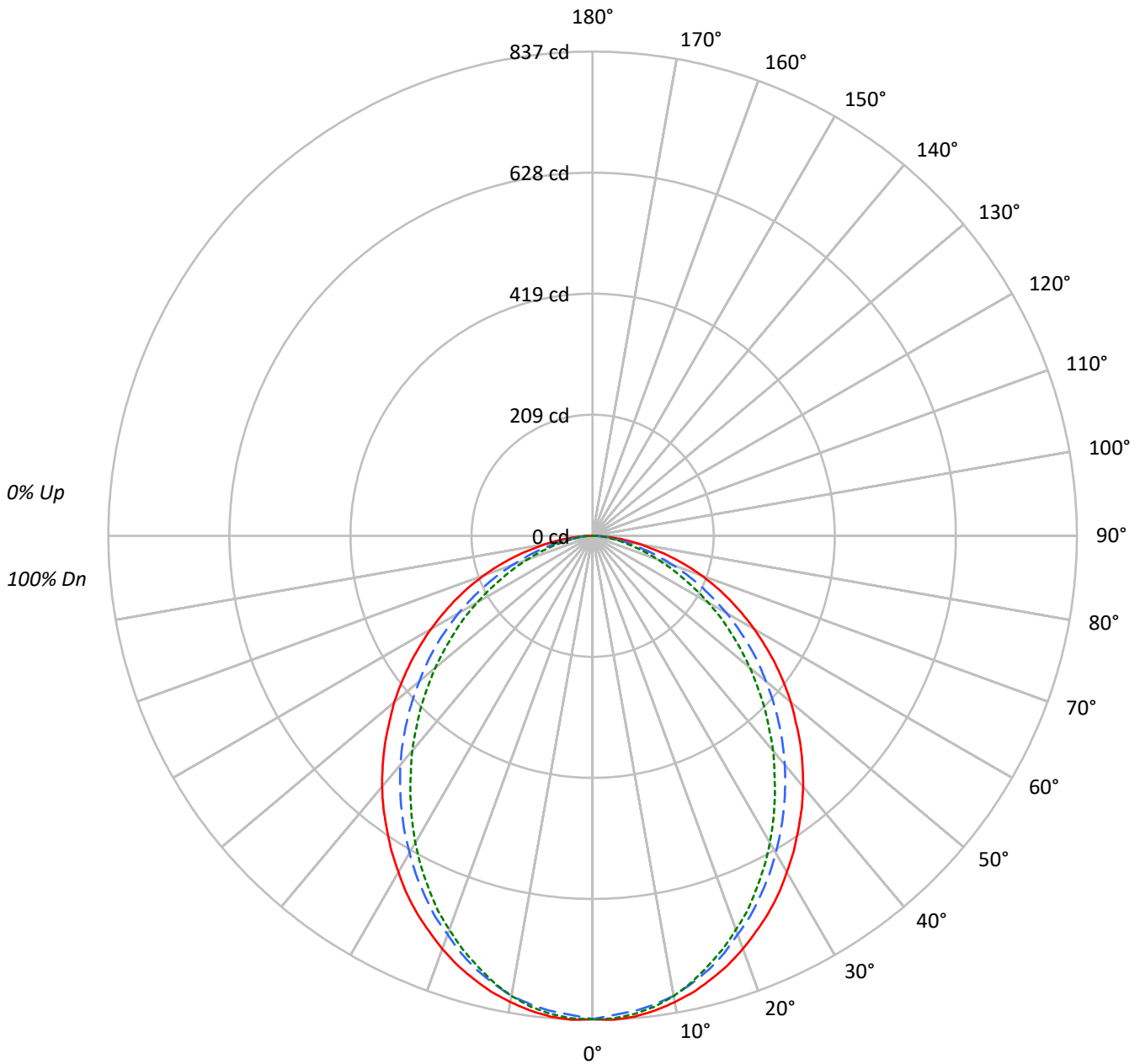
Lumens per Lamp: N/A
Luminaire Lumens: 1974.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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: P888544

CATALOG NUMBER: DPT5-6FO55-61S27-F-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888544

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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°	5336	5336	5336
5°	5348	5288	5319
10°	5308	5238	5238
15°	5245	5131	5090
20°	5163	4983	4924
25°	5069	4837	4731
30°	4951	4667	4519
35°	4831	4492	4280
40°	4719	4308	4046
45°	4582	4103	3791
50°	4445	3881	3524
55°	4287	3669	3240
60°	4127	3409	2934
65°	3940	3110	2583
70°	3725	2732	2228
75°	3425	2305	1856
80°	3019	1813	1559
85°	2535	1487	1392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	4.0
10°-20°	219.7	11.1
20°-30°	318.6	16.1
30°-40°	363.0	18.4
40°-50°	353.8	17.9
50°-60°	297.8	15.1
60°-70°	208.7	10.6
70°-80°	107.0	5.4
80°-90°	26.7	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°	617.0	31.3
0°-40°	980.0	49.6
0°-60°	1631.7	82.7
0°-90°	1974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	834	832	825	831	830	79
15°	793	789	776	776	770	224
25°	719	710	686	678	671	331
35°	620	605	576	558	549	388
45°	507	489	454	429	420	391
55°	385	365	330	301	291	344
65°	261	239	206	180	171	258
75°	139	120	93	80	75	147
85°	35	23	20	20	19	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	835.6	835.6	835.6	835.6	835.6
2.5°	837.4	835.6	829.2	835.6	834.9
5°	834.3	831.8	824.8	831.0	829.7
7.5°	827.9	825.4	817.2	822.2	821.0
10°	818.5	816.6	807.7	809.7	807.7
12.5°	807.7	805.1	792.5	793.8	790.7
15°	793.3	789.4	776.1	775.5	769.9
17.5°	778.1	772.5	756.5	753.5	749.0
20°	759.7	753.5	733.2	730.1	724.5
22.5°	739.6	733.2	711.9	704.9	700.4
25°	719.3	709.8	686.5	678.3	671.4
27.5°	696.7	685.3	660.7	650.0	643.1
30°	671.4	659.5	632.9	618.5	612.8
32.5°	646.7	632.3	605.2	588.8	581.3
35°	619.7	604.6	576.2	557.9	549.0
37.5°	593.8	575.5	546.4	525.1	516.1
40°	566.1	547.1	516.8	492.8	485.3
42.5°	536.9	517.4	485.8	463.2	451.1
45°	507.3	489.2	454.3	429.1	419.7
47.5°	476.3	457.6	422.7	396.9	386.2
50°	447.4	426.6	390.6	364.2	354.7
52.5°	415.8	394.5	360.9	331.9	322.4
55°	385.0	364.8	329.5	301.1	291.0
57.5°	353.4	331.9	297.9	270.1	261.3
60°	323.1	301.1	266.9	239.1	229.7
62.5°	291.0	270.1	235.4	210.1	200.6
65°	260.7	239.1	205.8	180.4	170.9
67.5°	230.3	208.9	176.6	152.8	145.3
70°	199.5	177.9	146.3	126.8	119.3
72.5°	169.1	148.3	119.3	101.6	97.3
75°	138.8	119.9	93.4	79.6	75.2
77.5°	107.8	92.7	70.6	60.1	56.2
80°	82.1	67.0	49.3	43.5	42.4
82.5°	56.8	43.5	32.9	30.8	30.3
85°	34.6	23.3	20.3	19.5	19.0
87.5°	14.6	10.1	9.5	9.5	8.8
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)