

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: P888436

Luminaire Tested: **DPT5-6FO36-61S35-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: P888436
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: DPT5-6FO36-61S35-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

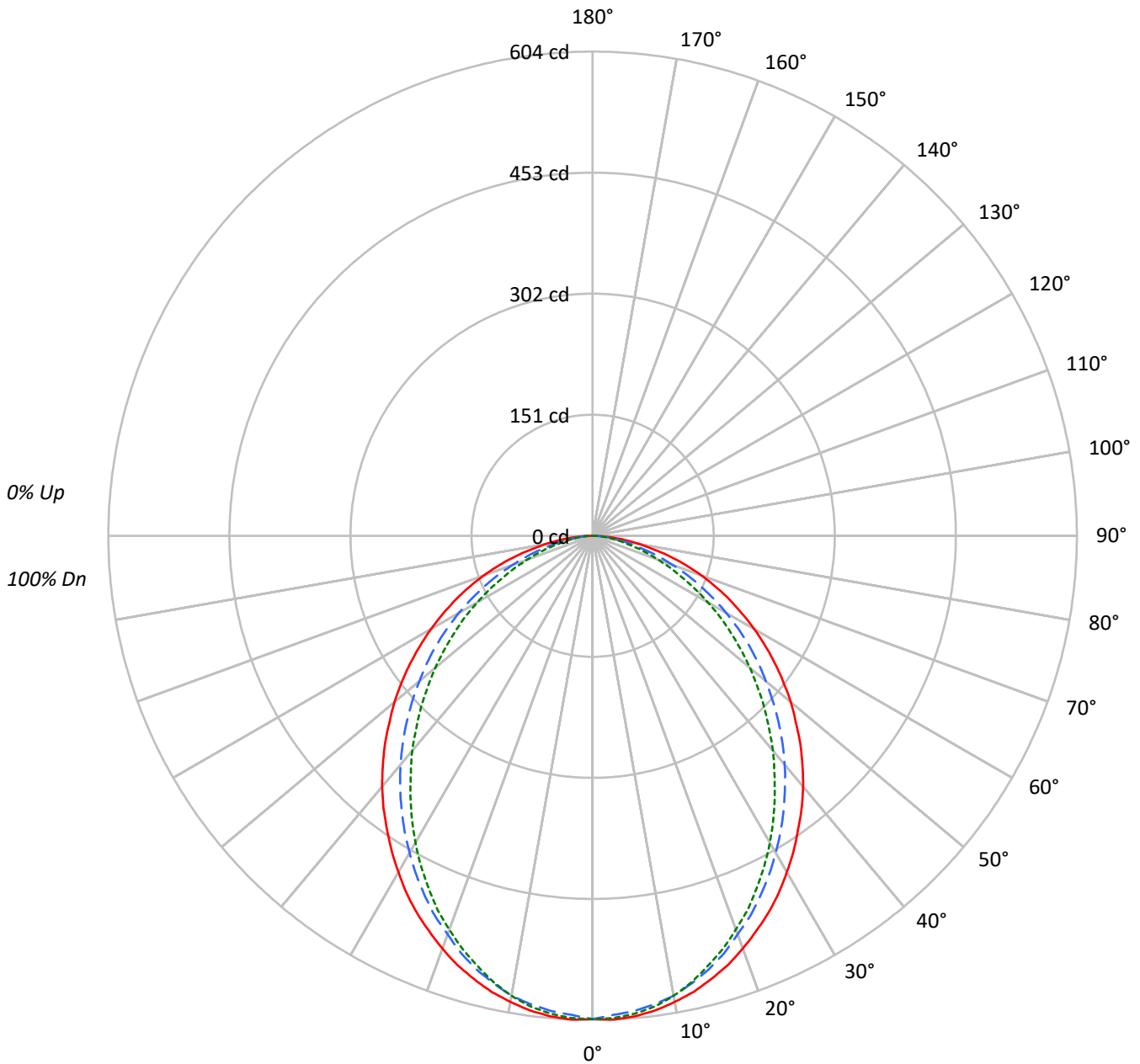
Lumens per Lamp: N/A
Luminaire Lumens: 1424.0 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
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

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Luminous Intensity Polar Plot





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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°	5733	5733	5733
5°	5745	5680	5714
10°	5702	5627	5627
15°	5635	5513	5468
20°	5546	5353	5289
25°	5445	5198	5083
30°	5320	5014	4855
35°	5190	4825	4598
40°	5070	4628	4347
45°	4923	4408	4071
50°	4775	4169	3786
55°	4605	3941	3480
60°	4434	3662	3152
65°	4233	3340	2775
70°	4001	2936	2391
75°	3678	2477	1992
80°	3242	1950	1676
85°	2728	1593	1495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	4.0
10°-20°	158.5	11.1
20°-30°	229.9	16.1
30°-40°	261.9	18.4
40°-50°	255.2	17.9
50°-60°	214.8	15.1
60°-70°	150.5	10.6
70°-80°	77.2	5.4
80°-90°	19.2	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°	445.1	31.3
0°-40°	707.0	49.6
0°-60°	1177.0	82.7
0°-90°	1424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	602	600	595	600	598	57
15°	572	570	560	559	555	161
25°	519	512	495	489	484	239
35°	447	436	416	402	396	280
45°	366	353	328	310	303	282
55°	278	263	238	217	210	248
65°	188	172	148	130	123	186
75°	100	86	67	57	54	106
85°	25	17	15	14	14	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	602.8	602.8	602.8	602.8	602.8
2.5°	604.1	602.8	598.2	602.8	602.2
5°	601.8	600.0	595.0	599.5	598.5
7.5°	597.3	595.4	589.5	593.1	592.3
10°	590.4	589.1	582.7	584.1	582.7
12.5°	582.7	580.8	571.7	572.6	570.4
15°	572.3	569.5	559.9	559.4	555.4
17.5°	561.3	557.2	545.8	543.6	540.3
20°	548.0	543.6	528.9	526.7	522.6
22.5°	533.5	528.9	513.6	508.5	505.2
25°	518.9	512.1	495.3	489.3	484.4
27.5°	502.6	494.3	476.6	468.9	463.9
30°	484.4	475.7	456.6	446.2	442.1
32.5°	466.5	456.2	436.6	424.7	419.3
35°	447.0	436.1	415.6	402.5	396.0
37.5°	428.4	415.1	394.2	378.8	372.3
40°	408.4	394.7	372.8	355.5	350.1
42.5°	387.3	373.2	350.4	334.1	325.4
45°	366.0	352.9	327.7	309.6	302.7
47.5°	343.6	330.1	304.9	286.3	278.6
50°	322.7	307.7	281.8	262.7	255.9
52.5°	299.9	284.6	260.3	239.4	232.6
55°	277.7	263.1	237.7	217.2	209.9
57.5°	254.9	239.4	214.9	194.8	188.5
60°	233.1	217.2	192.5	172.5	165.7
62.5°	209.9	194.8	169.8	151.6	144.7
65°	188.1	172.5	148.4	130.1	123.3
67.5°	166.1	150.7	127.4	110.2	104.8
70°	143.9	128.4	105.6	91.5	86.0
72.5°	122.0	107.0	86.0	73.3	70.2
75°	100.1	86.5	67.4	57.4	54.2
77.5°	77.8	66.9	50.9	43.3	40.5
80°	59.2	48.3	35.6	31.4	30.6
82.5°	41.0	31.4	23.7	22.2	21.9
85°	25.0	16.8	14.6	14.1	13.7
87.5°	10.6	7.3	6.8	6.8	6.3
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)