

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: P888507

Luminaire Tested: **DPT5-6FO44-85V60-F-XX-UDD_4000K**

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: P888507
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: DPT5-6FO44-85V60-F-XX-UDD_4000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

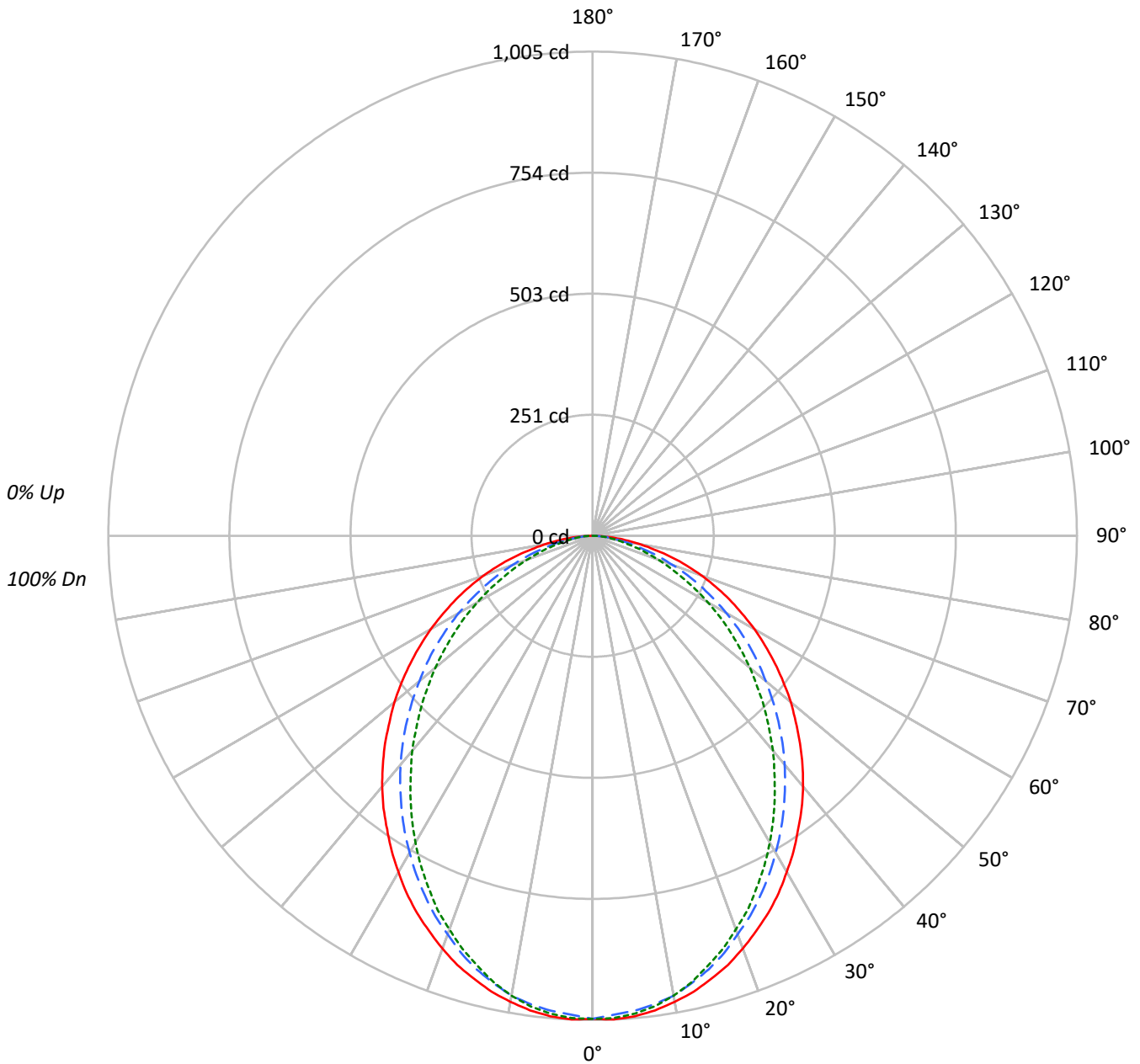
Lumens per Lamp: N/A
Luminaire Lumens: 2369.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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°	7752	7752	7752
5°	7770	7681	7727
10°	7710	7609	7609
15°	7619	7454	7394
20°	7501	7240	7153
25°	7364	7028	6873
30°	7193	6781	6565
35°	7019	6525	6218
40°	6856	6259	5877
45°	6656	5961	5506
50°	6457	5638	5120
55°	6227	5331	4707
60°	5994	4952	4261
65°	5724	4518	3752
70°	5411	3969	3235
75°	4976	3348	2694
80°	4385	2631	2266
85°	3690	2155	2022



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	4.0
10°-20°	263.7	11.1
20°-30°	382.4	16.1
30°-40°	435.7	18.4
40°-50°	424.6	17.9
50°-60°	357.4	15.1
60°-70°	250.4	10.6
70°-80°	128.4	5.4
80°-90°	32.0	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°	740.5	31.3
0°-40°	1176.2	49.6
0°-60°	1958.2	82.7
0°-90°	2369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2369.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1003	1003	1003	1003	1003	
5°	1001	998	990	997	996	95
15°	952	947	931	931	924	268
25°	863	852	824	814	806	397
35°	744	726	691	670	659	466
45°	609	587	545	515	504	470
55°	462	438	396	361	349	413
65°	313	287	247	216	205	310
75°	167	144	112	96	90	176
85°	42	28	24	24	23	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1002.7	1002.7	1002.7	1002.7	1002.7
2.5°	1005.0	1002.7	995.2	1002.7	1001.9
5°	1001.2	998.3	989.8	997.3	995.7
7.5°	993.6	990.5	980.7	986.7	985.3
10°	982.2	980.0	969.3	971.7	969.3
12.5°	969.3	966.2	951.1	952.6	948.9
15°	952.0	947.4	931.4	930.7	923.9
17.5°	933.8	927.0	907.9	904.3	898.9
20°	911.7	904.3	880.0	876.2	869.4
22.5°	887.6	880.0	854.4	846.0	840.5
25°	863.3	851.9	823.9	814.1	805.8
27.5°	836.1	822.4	792.9	780.1	771.8
30°	805.8	791.5	759.6	742.3	735.4
32.5°	776.2	758.9	726.3	706.6	697.6
35°	743.7	725.6	691.4	669.5	658.9
37.5°	712.7	690.6	655.8	630.2	619.4
40°	679.4	656.6	620.2	591.4	582.4
42.5°	644.4	620.9	583.0	555.9	541.4
45°	608.8	587.1	545.2	515.0	503.6
47.5°	571.6	549.1	507.3	476.4	463.4
50°	536.9	511.9	468.8	437.0	425.7
52.5°	499.0	473.4	433.1	398.3	386.9
55°	462.0	437.7	395.5	361.3	349.2
57.5°	424.1	398.3	357.5	324.1	313.6
60°	387.7	361.3	320.3	287.0	275.6
62.5°	349.2	324.1	282.5	252.2	240.8
65°	312.9	287.0	247.0	216.5	205.1
67.5°	276.3	250.8	212.0	183.3	174.3
70°	239.4	213.5	175.6	152.1	143.1
72.5°	203.0	178.0	143.1	121.9	116.7
75°	166.6	143.9	112.1	95.5	90.2
77.5°	129.4	111.3	84.7	72.1	67.4
80°	98.5	80.4	59.1	52.3	50.9
82.5°	68.1	52.3	39.5	36.9	36.4
85°	41.6	28.0	24.3	23.5	22.8
87.5°	17.6	12.1	11.4	11.4	10.5
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)