

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: P888231

Luminaire Tested: **DPT5-6FO44-85V60-A-XX-UDD_3500K**

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: P888231
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-A-XX-UDD_3500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

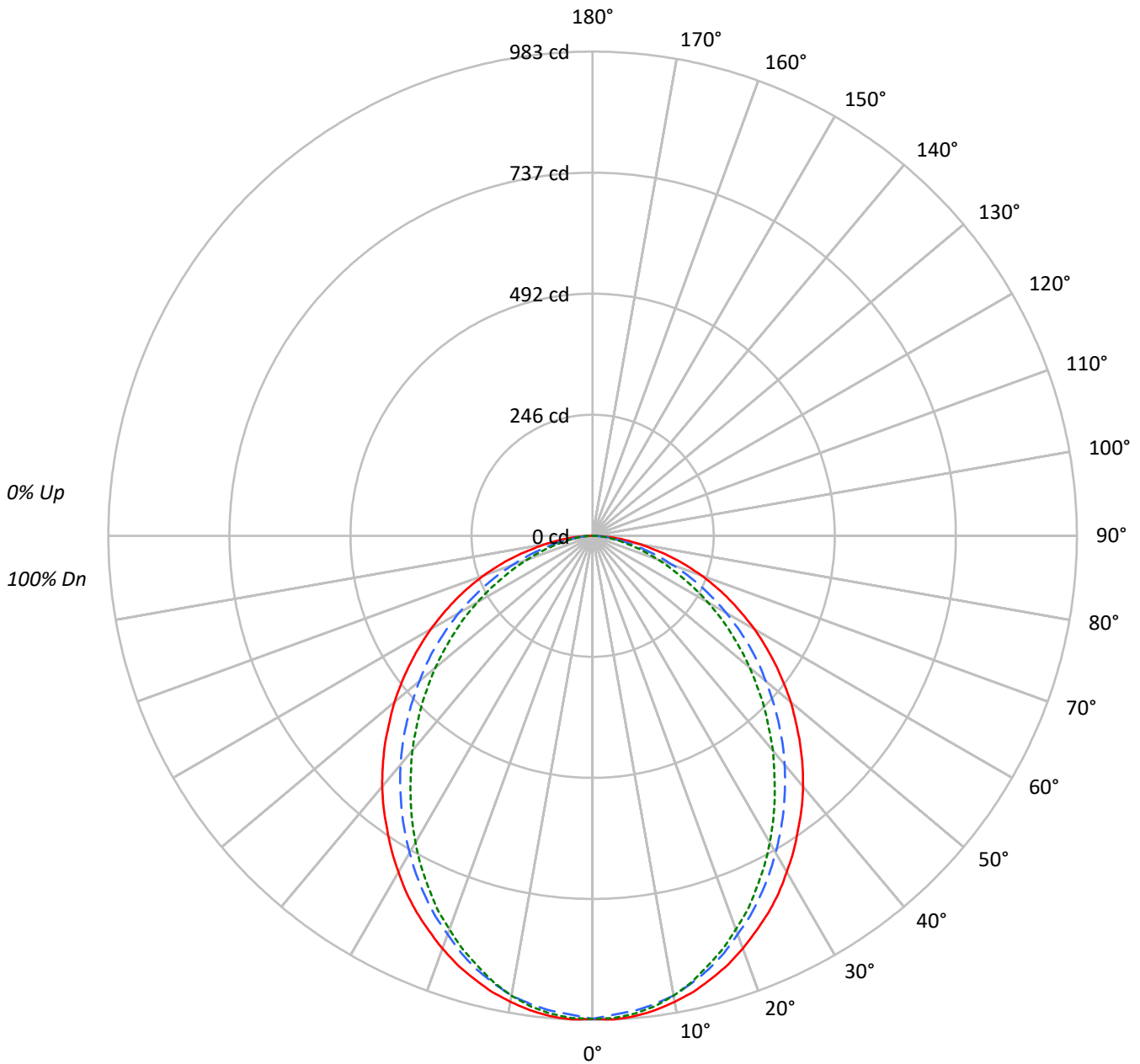
Lumens per Lamp: N/A
Luminaire Lumens: 2317.0 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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°	7582	7582	7582
5°	7599	7513	7558
10°	7542	7442	7442
15°	7452	7290	7233
20°	7336	7081	6995
25°	7202	6873	6722
30°	7035	6632	6421
35°	6865	6383	6082
40°	6706	6122	5748
45°	6511	5829	5386
50°	6315	5514	5007
55°	6091	5213	4604
60°	5863	4844	4168
65°	5598	4418	3669
70°	5291	3881	3164
75°	4869	3274	2634
80°	4287	2573	2213
85°	3610	2111	1978



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	4.0
10°-20°	257.9	11.1
20°-30°	374.0	16.1
30°-40°	426.1	18.4
40°-50°	415.3	17.9
50°-60°	349.5	15.1
60°-70°	244.9	10.6
70°-80°	125.6	5.4
80°-90°	31.3	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°	724.2	31.3
0°-40°	1150.3	49.6
0°-60°	1915.2	82.7
0°-90°	2317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	979	976	968	975	974	93
15°	931	927	911	910	904	263
25°	844	833	806	796	788	389
35°	727	710	676	655	644	455
45°	596	574	533	504	493	459
55°	452	428	387	353	342	404
65°	306	281	242	212	201	303
75°	163	141	110	93	88	172
85°	41	27	24	23	22	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.7	980.7	980.7	980.7	980.7
2.5°	982.9	980.7	973.3	980.7	979.9
5°	979.2	976.3	968.1	975.4	973.9
7.5°	971.8	968.8	959.2	965.1	963.7
10°	960.7	958.5	948.0	950.4	948.0
12.5°	948.0	945.0	930.2	931.7	928.1
15°	931.1	926.6	910.9	910.3	903.7
17.5°	913.3	906.7	888.0	884.4	879.2
20°	891.7	884.4	860.7	856.9	850.3
22.5°	868.1	860.7	835.6	827.4	822.0
25°	844.3	833.2	805.8	796.2	788.1
27.5°	817.8	804.3	775.5	763.0	754.9
30°	788.1	774.1	742.9	726.0	719.3
32.5°	759.1	742.2	710.3	691.1	682.3
35°	727.4	709.7	676.3	654.8	644.4
37.5°	697.0	675.4	641.4	616.4	605.8
40°	664.5	642.2	606.6	578.4	569.6
42.5°	630.2	607.3	570.2	543.7	529.5
45°	595.5	574.2	533.2	503.7	492.6
47.5°	559.1	537.1	496.1	465.9	453.3
50°	525.1	500.7	458.5	427.4	416.3
52.5°	488.0	463.0	423.6	389.5	378.4
55°	451.9	428.1	386.8	353.4	341.6
57.5°	414.8	389.5	349.7	317.0	306.7
60°	379.2	353.4	313.3	280.7	269.6
62.5°	341.6	317.0	276.3	246.6	235.5
65°	306.0	280.7	241.5	211.7	200.6
67.5°	270.3	245.3	207.3	179.3	170.5
70°	234.1	208.8	171.7	148.8	140.0
72.5°	198.5	174.1	140.0	119.3	114.2
75°	163.0	140.7	109.6	93.4	88.2
77.5°	126.5	108.8	82.9	70.5	66.0
80°	96.3	78.6	57.8	51.1	49.7
82.5°	66.6	51.1	38.6	36.1	35.6
85°	40.7	27.3	23.8	22.9	22.3
87.5°	17.2	11.8	11.1	11.1	10.3
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)