

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: P888208

Luminaire Tested: **DPT5-6FO44-37V60-A-XX-UDD_3000K**

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: P888208
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: DPT5-6FO44-37V60-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

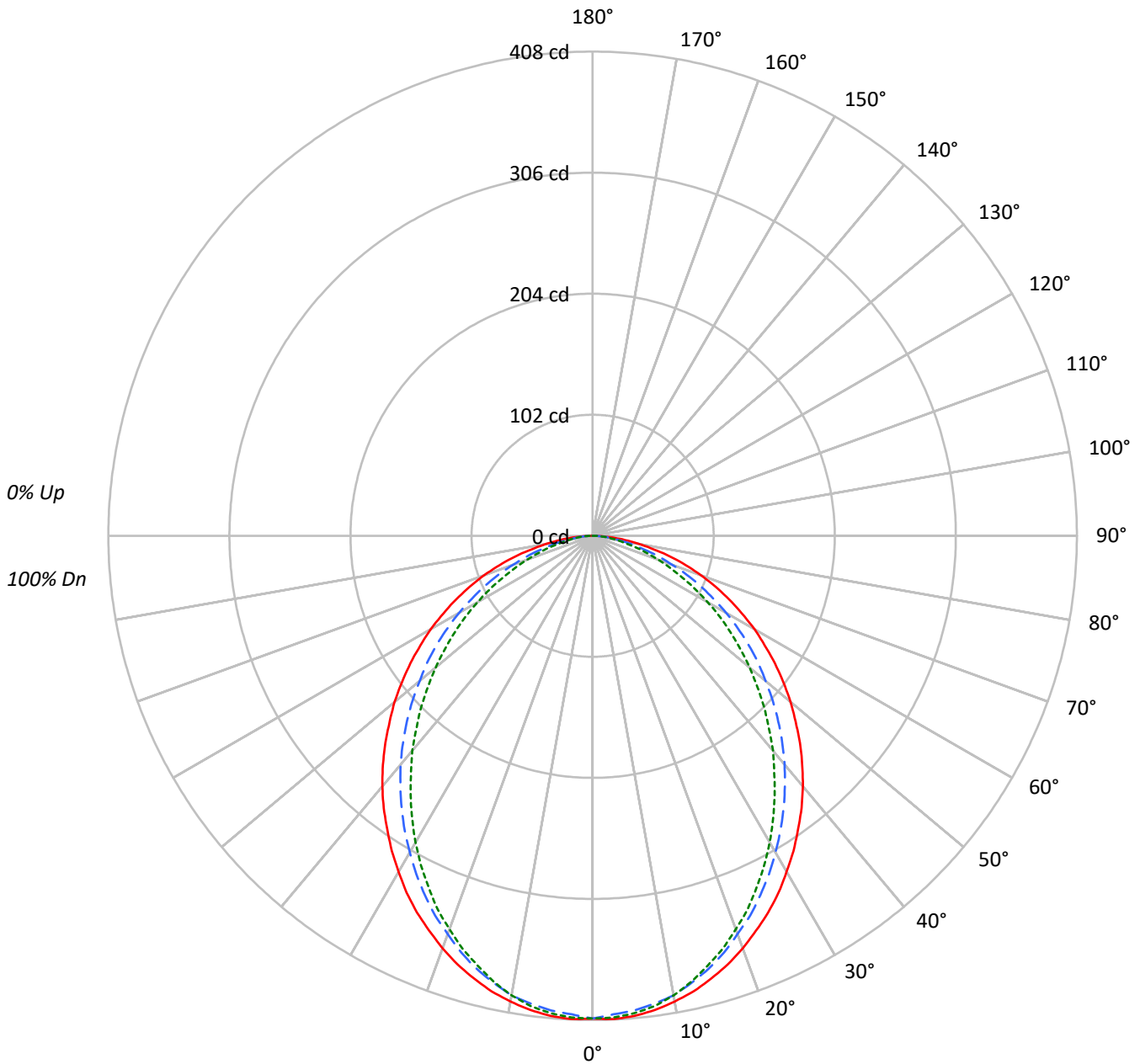
Lumens per Lamp: N/A
Luminaire Lumens: 961.0 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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°	3145	3145	3145
5°	3151	3116	3134
10°	3128	3087	3087
15°	3091	3024	3000
20°	3042	2937	2902
25°	2987	2851	2788
30°	2918	2750	2663
35°	2847	2647	2523
40°	2781	2539	2385
45°	2700	2418	2234
50°	2619	2288	2077
55°	2526	2162	1910
60°	2432	2008	1729
65°	2321	1833	1522
70°	2195	1609	1313
75°	2019	1359	1093
80°	1776	1068	917
85°	1499	878	816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	4.0
10°-20°	107.0	11.1
20°-30°	155.1	16.1
30°-40°	176.7	18.4
40°-50°	172.3	17.9
50°-60°	145.0	15.1
60°-70°	101.6	10.6
70°-80°	52.1	5.4
80°-90°	13.0	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°	300.4	31.3
0°-40°	477.1	49.6
0°-60°	794.3	82.7
0°-90°	961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	407	407	407	407	407	
5°	406	405	402	404	404	39
15°	386	384	378	378	375	109
25°	350	346	334	330	327	161
35°	302	294	280	272	267	189
45°	247	238	221	209	204	190
55°	187	178	160	147	142	168
65°	127	116	100	88	83	126
75°	68	58	46	39	37	71
85°	17	11	10	10	9	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	406.8	406.8	406.8	406.8	406.8
2.5°	407.7	406.8	403.7	406.8	406.4
5°	406.1	404.9	401.5	404.5	403.9
7.5°	403.1	401.8	397.8	400.3	399.7
10°	398.5	397.5	393.2	394.2	393.2
12.5°	393.2	392.0	385.8	386.4	384.9
15°	386.2	384.3	377.8	377.5	374.8
17.5°	378.8	376.1	368.3	366.8	364.7
20°	369.8	366.8	357.0	355.4	352.7
22.5°	360.0	357.0	346.6	343.2	341.0
25°	350.2	345.6	334.2	330.2	326.9
27.5°	339.2	333.6	321.6	316.4	313.1
30°	326.9	321.1	308.1	301.1	298.3
32.5°	314.9	307.8	294.6	286.6	283.0
35°	301.7	294.3	280.5	271.6	267.3
37.5°	289.1	280.1	266.0	255.6	251.3
40°	275.6	266.4	251.6	239.9	236.3
42.5°	261.4	251.9	236.5	225.5	219.6
45°	247.0	238.1	221.2	208.9	204.3
47.5°	231.9	222.8	205.8	193.2	188.0
50°	217.8	207.7	190.2	177.3	172.7
52.5°	202.4	192.0	175.7	161.6	156.9
55°	187.4	177.6	160.4	146.6	141.7
57.5°	172.0	161.6	145.0	131.5	127.2
60°	157.3	146.6	129.9	116.4	111.8
62.5°	141.7	131.5	114.6	102.3	97.7
65°	126.9	116.4	100.2	87.8	83.2
67.5°	112.1	101.7	86.0	74.4	70.7
70°	97.1	86.6	71.2	61.7	58.1
72.5°	82.3	72.2	58.1	49.5	47.4
75°	67.6	58.4	45.5	38.8	36.6
77.5°	52.5	45.1	34.4	29.2	27.4
80°	39.9	32.6	24.0	21.2	20.6
82.5°	27.6	21.2	16.0	15.0	14.8
85°	16.9	11.3	9.9	9.5	9.2
87.5°	7.1	4.9	4.6	4.6	4.3
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)