

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: P888153

Luminaire Tested: **DPT5-6FO36-37V60-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: P888153
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: DPT5-6FO36-37V60-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

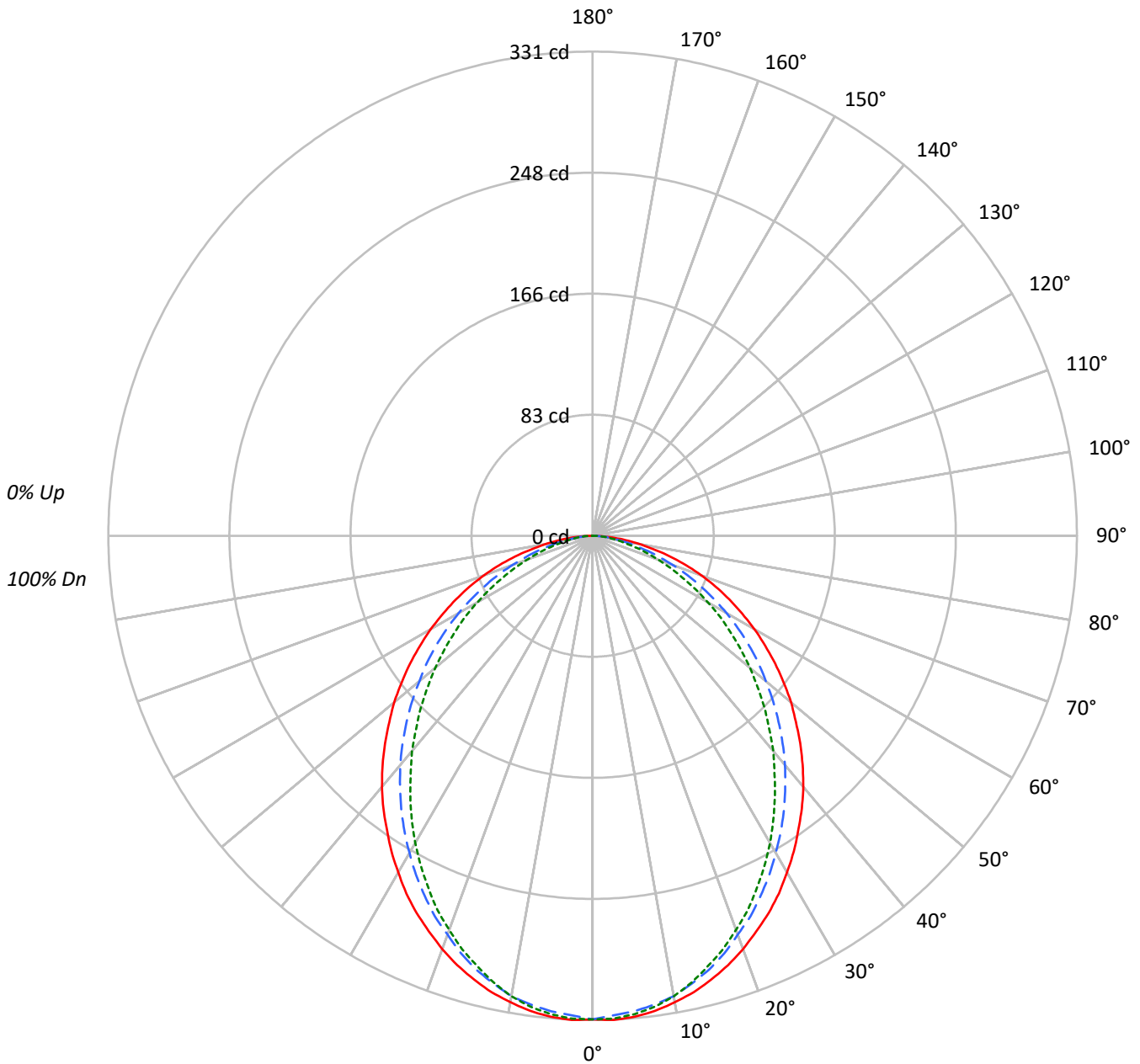
Lumens per Lamp: N/A
Luminaire Lumens: 781.0 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 8.7
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°	3144	3144	3144
5°	3151	3115	3134
10°	3127	3086	3086
15°	3091	3024	2999
20°	3042	2936	2901
25°	2987	2850	2788
30°	2918	2750	2662
35°	2847	2647	2522
40°	2781	2539	2384
45°	2699	2417	2233
50°	2619	2286	2076
55°	2525	2162	1908
60°	2431	2009	1729
65°	2320	1832	1521
70°	2194	1610	1312
75°	2017	1360	1091
80°	1780	1068	920
85°	1495	873	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	4.0
10°-20°	86.9	11.1
20°-30°	126.1	16.1
30°-40°	143.6	18.4
40°-50°	140.0	17.9
50°-60°	117.8	15.1
60°-70°	82.6	10.6
70°-80°	42.3	5.4
80°-90°	10.6	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°	244.1	31.3
0°-40°	387.8	49.6
0°-60°	645.5	82.7
0°-90°	781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	331	331	331	331	331	
5°	330	329	326	329	328	31
15°	314	312	307	307	305	88
25°	285	281	272	268	266	131
35°	245	239	228	221	217	154
45°	201	194	180	170	166	155
55°	152	144	130	119	115	136
65°	103	95	81	71	68	102
75°	55	47	37	32	30	58
85°	14	9	8	8	8	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	330.6	330.6	330.6	330.6	330.6
2.5°	331.3	330.6	328.1	330.6	330.3
5°	330.1	329.1	326.3	328.8	328.3
7.5°	327.6	326.6	323.3	325.3	324.8
10°	323.8	323.1	319.6	320.3	319.6
12.5°	319.6	318.5	313.5	314.0	312.8
15°	313.9	312.3	307.1	306.8	304.6
17.5°	307.8	305.6	299.3	298.1	296.4
20°	300.6	298.1	290.1	288.9	286.6
22.5°	292.6	290.1	281.7	278.9	277.1
25°	284.6	280.8	271.6	268.4	265.7
27.5°	275.7	271.1	261.4	257.2	254.4
30°	265.7	260.9	250.4	244.7	242.4
32.5°	255.9	250.2	239.4	233.0	230.0
35°	245.2	239.2	228.0	220.7	217.2
37.5°	234.9	227.7	216.2	207.8	204.2
40°	224.0	216.5	204.5	195.0	192.0
42.5°	212.4	204.7	192.2	183.3	178.5
45°	200.7	193.5	179.7	169.8	166.0
47.5°	188.4	181.0	167.2	157.0	152.8
50°	177.0	168.8	154.5	144.1	140.3
52.5°	164.5	156.1	142.8	131.3	127.5
55°	152.3	144.3	130.4	119.1	115.1
57.5°	139.8	131.3	117.9	106.8	103.4
60°	127.8	119.1	105.6	94.6	90.9
62.5°	115.1	106.8	93.1	83.1	79.4
65°	103.1	94.6	81.4	71.4	67.6
67.5°	91.1	82.7	69.9	60.4	57.5
70°	78.9	70.4	57.9	50.2	47.2
72.5°	66.9	58.7	47.2	40.2	38.5
75°	54.9	47.4	37.0	31.5	29.7
77.5°	42.7	36.7	27.9	23.8	22.2
80°	32.5	26.5	19.5	17.2	16.8
82.5°	22.5	17.2	13.0	12.2	12.0
85°	13.7	9.2	8.0	7.7	7.5
87.5°	5.8	4.0	3.8	3.8	3.5
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)