

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: P888538

Luminaire Tested: **DPT5-6FO55-37V60-F-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: P888538
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: DPT5-6FO55-37V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

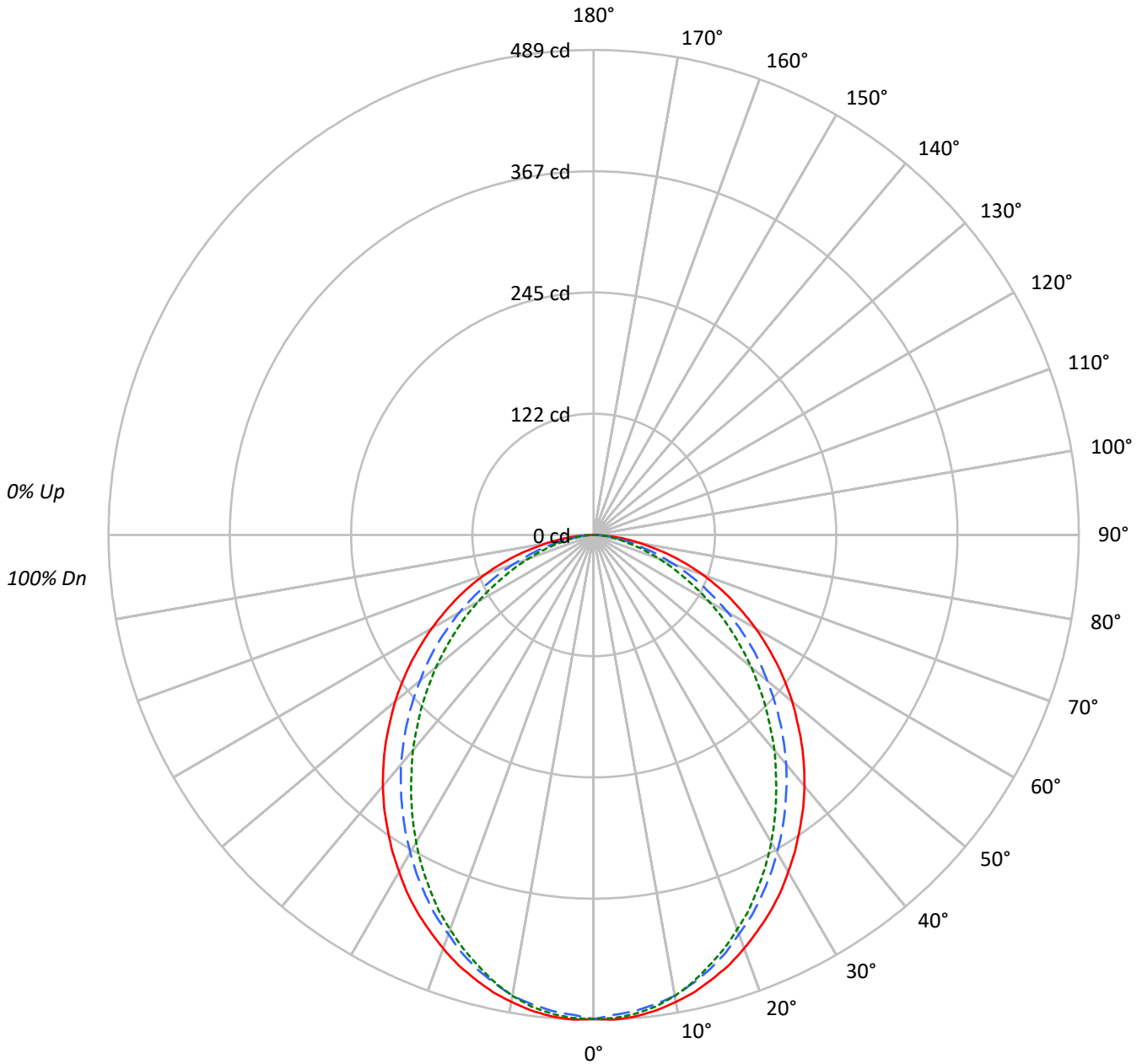
Lumens per Lamp: N/A
Luminaire Lumens: 1153.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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°	3117	3117	3117
5°	3124	3089	3107
10°	3100	3060	3060
15°	3064	2997	2973
20°	3015	2911	2876
25°	2960	2826	2764
30°	2892	2726	2639
35°	2822	2623	2500
40°	2756	2517	2363
45°	2676	2397	2214
50°	2596	2267	2059
55°	2504	2143	1893
60°	2410	1991	1713
65°	2301	1816	1508
70°	2175	1596	1301
75°	2001	1347	1083
80°	1762	1059	912
85°	1480	865	813



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	4.0
10°-20°	128.4	11.1
20°-30°	186.1	16.1
30°-40°	212.0	18.4
40°-50°	206.7	17.9
50°-60°	173.9	15.1
60°-70°	121.9	10.6
70°-80°	62.5	5.4
80°-90°	15.6	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°	360.4	31.3
0°-40°	572.4	49.6
0°-60°	953.0	82.7
0°-90°	1153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	488	488	488	488	488	
5°	487	486	482	485	485	46
15°	463	461	453	453	450	131
25°	420	415	401	396	392	193
35°	362	353	336	326	321	227
45°	296	286	265	251	245	229
55°	225	213	192	176	170	201
65°	152	140	120	105	100	151
75°	81	70	55	46	44	86
85°	20	14	12	11	11	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	488.0	488.0	488.0	488.0	488.0
2.5°	489.1	488.0	484.3	488.0	487.6
5°	487.3	485.9	481.8	485.4	484.6
7.5°	483.6	482.1	477.3	480.2	479.6
10°	478.1	477.0	471.8	472.9	471.8
12.5°	471.8	470.3	462.9	463.6	461.9
15°	463.4	461.1	453.3	453.0	449.7
17.5°	454.5	451.2	441.9	440.1	437.5
20°	443.7	440.1	428.3	426.4	423.2
22.5°	432.0	428.3	415.8	411.7	409.1
25°	420.1	414.6	401.0	396.2	392.2
27.5°	407.0	400.3	385.9	379.7	375.6
30°	392.2	385.2	369.7	361.3	357.9
32.5°	377.8	369.3	353.5	343.9	339.5
35°	362.0	353.1	336.5	325.9	320.7
37.5°	346.9	336.1	319.2	306.7	301.5
40°	330.6	319.6	301.9	287.8	283.5
42.5°	313.6	302.2	283.7	270.5	263.5
45°	296.3	285.7	265.4	250.7	245.1
47.5°	278.2	267.3	246.9	231.9	225.6
50°	261.3	249.1	228.2	212.7	207.2
52.5°	242.9	230.4	210.8	193.8	188.3
55°	224.9	213.0	192.5	175.9	170.0
57.5°	206.4	193.8	174.0	157.7	152.6
60°	188.7	175.9	155.9	139.7	134.1
62.5°	170.0	157.7	137.5	122.7	117.2
65°	152.3	139.7	120.2	105.4	99.8
67.5°	134.5	122.0	103.2	89.2	84.9
70°	116.5	103.9	85.5	74.0	69.7
72.5°	98.8	86.6	69.7	59.3	56.8
75°	81.1	70.0	54.6	46.5	43.9
77.5°	63.0	54.2	41.2	35.1	32.8
80°	47.9	39.1	28.8	25.4	24.8
82.5°	33.2	25.4	19.2	18.0	17.7
85°	20.2	13.6	11.8	11.4	11.1
87.5°	8.5	5.9	5.5	5.5	5.1
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)