

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: P888328

Luminaire Tested: **DPT5-4F021-61V60-F-XX-UDD_2700K**

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: P888328
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: DPT5-4F021-61V60-F-XX-UDD_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

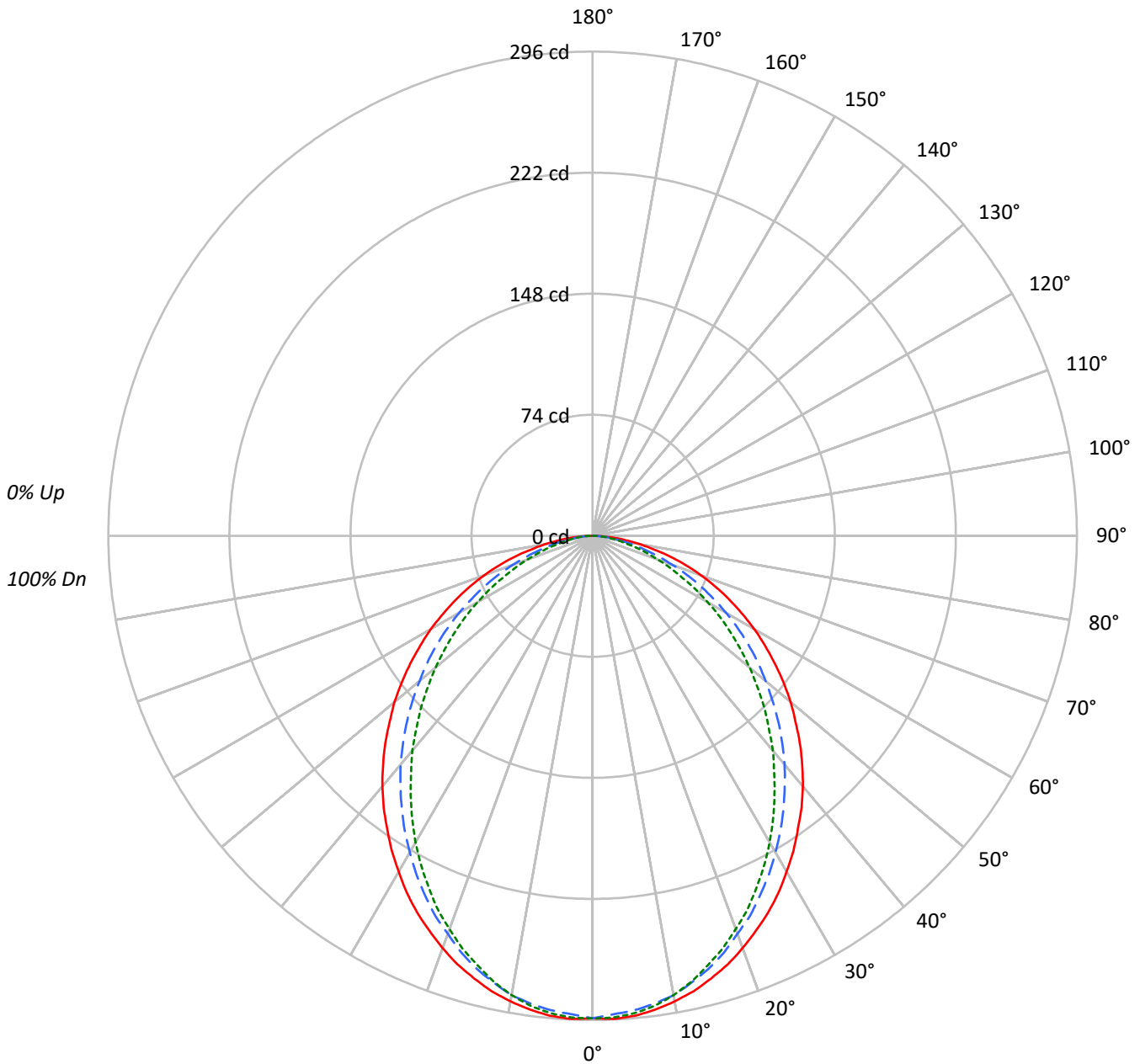
Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 1.65' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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°	4936	4936	4936
5°	4949	4891	4922
10°	4911	4846	4846
15°	4852	4747	4709
20°	4776	4610	4555
25°	4690	4476	4378
30°	4581	4319	4181
35°	4470	4155	3959
40°	4367	3987	3744
45°	4238	3796	3507
50°	4113	3590	3259
55°	3965	3393	2999
60°	3819	3153	2714
65°	3643	2879	2388
70°	3444	2529	2060
75°	3168	2134	1713
80°	2795	1677	1445
85°	2342	1382	1286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	4.0
10°-20°	77.6	11.1
20°-30°	112.5	16.1
30°-40°	128.2	18.4
40°-50°	124.9	17.9
50°-60°	105.1	15.1
60°-70°	73.7	10.6
70°-80°	37.8	5.4
80°-90°	9.4	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°	217.9	31.3
0°-40°	346.0	49.6
0°-60°	576.1	82.7
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	295	295	295	295	295	
5°	295	294	291	293	293	28
15°	280	279	274	274	272	79
25°	254	251	242	240	237	117
35°	219	214	203	197	194	137
45°	179	173	160	152	148	138
55°	136	129	116	106	103	122
65°	92	84	73	64	60	91
75°	49	42	33	28	26	52
85°	12	8	7	7	7	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	295.0	295.0	295.0	295.0	295.0
2.5°	295.7	295.0	292.8	295.0	294.8
5°	294.6	293.7	291.2	293.4	293.0
7.5°	292.3	291.4	288.5	290.3	289.9
10°	289.0	288.3	285.2	285.9	285.2
12.5°	285.2	284.3	279.8	280.3	279.2
15°	280.1	278.7	274.0	273.8	271.8
17.5°	274.7	272.7	267.1	266.1	264.5
20°	268.2	266.1	258.9	257.8	255.8
22.5°	261.1	258.9	251.4	248.9	247.3
25°	254.0	250.6	242.4	239.5	237.1
27.5°	246.0	242.0	233.3	229.5	227.1
30°	237.1	232.9	223.5	218.4	216.4
32.5°	228.4	223.3	213.7	207.9	205.3
35°	218.8	213.5	203.4	197.0	193.8
37.5°	209.7	203.2	192.9	185.4	182.2
40°	199.9	193.2	182.5	174.0	171.4
42.5°	189.6	182.7	171.5	163.5	159.3
45°	179.1	172.7	160.4	151.5	148.2
47.5°	168.2	161.6	149.2	140.2	136.4
50°	158.0	150.6	137.9	128.6	125.2
52.5°	146.8	139.3	127.4	117.2	113.8
55°	135.9	128.8	116.3	106.3	102.8
57.5°	124.8	117.2	105.2	95.4	92.3
60°	114.1	106.3	94.2	84.4	81.1
62.5°	102.8	95.4	83.1	74.2	70.8
65°	92.0	84.4	72.7	63.7	60.3
67.5°	81.3	73.8	62.4	53.9	51.3
70°	70.4	62.8	51.7	44.8	42.1
72.5°	59.7	52.4	42.1	35.9	34.3
75°	49.0	42.3	33.0	28.1	26.5
77.5°	38.1	32.7	24.9	21.2	19.8
80°	29.0	23.6	17.4	15.4	15.0
82.5°	20.0	15.4	11.6	10.9	10.7
85°	12.2	8.2	7.2	6.9	6.7
87.5°	5.2	3.6	3.3	3.3	3.1
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)