

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: P888098

Luminaire Tested: **DPT5-4F029-37V60-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: P888098
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: DPT5-4F029-37V60-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

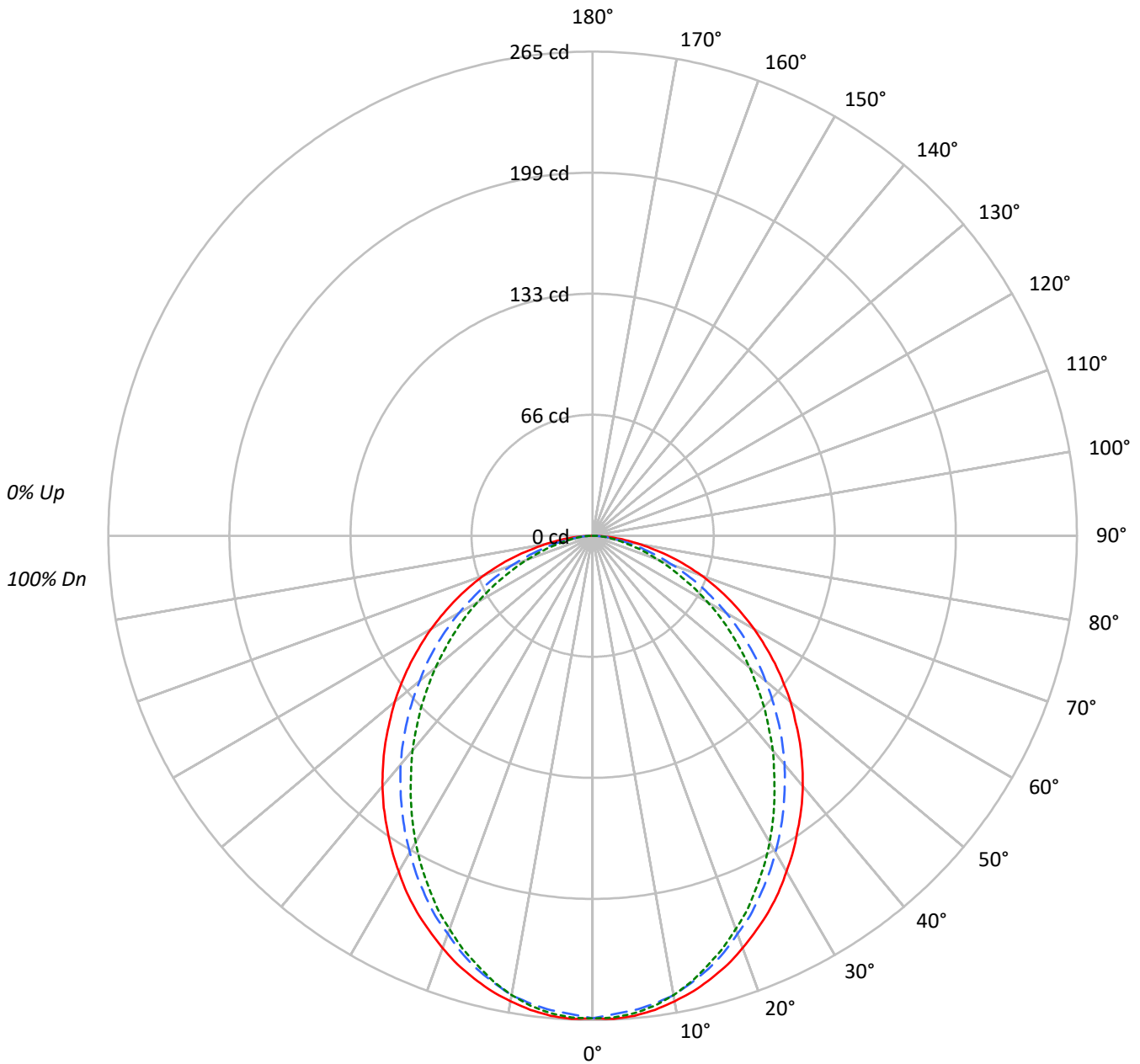
Lumens per Lamp: N/A
Luminaire Lumens: 624.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): 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°	3153	3117	3136
10°	3129	3087	3087
15°	3092	3024	3001
20°	3043	2938	2902
25°	2988	2852	2788
30°	2918	2752	2664
35°	2848	2648	2523
40°	2781	2540	2385
45°	2702	2419	2235
50°	2620	2288	2077
55°	2527	2164	1910
60°	2432	2010	1729
65°	2322	1835	1522
70°	2197	1612	1313
75°	2020	1357	1095
80°	1776	1070	919
85°	1503	875	820



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	4.0
10°-20°	69.5	11.1
20°-30°	100.7	16.1
30°-40°	114.8	18.4
40°-50°	111.9	17.9
50°-60°	94.1	15.1
60°-70°	66.0	10.6
70°-80°	33.8	5.4
80°-90°	8.4	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°	195.0	31.3
0°-40°	309.8	49.6
0°-60°	515.8	82.7
0°-90°	624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	264	264	264	264	264	
5°	264	263	261	263	262	25
15°	251	250	245	245	243	71
25°	227	224	217	214	212	105
35°	196	191	182	176	174	123
45°	160	155	144	136	133	124
55°	122	115	104	95	92	109
65°	82	76	65	57	54	82
75°	44	38	30	25	24	46
85°	11	7	6	6	6	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	264.1	264.1	264.1	264.1	264.1
2.5°	264.7	264.1	262.1	264.1	263.9
5°	263.7	262.9	260.7	262.7	262.3
7.5°	261.7	260.9	258.3	259.9	259.5
10°	258.7	258.1	255.3	255.9	255.3
12.5°	255.3	254.5	250.5	250.9	250.0
15°	250.8	249.5	245.3	245.1	243.4
17.5°	246.0	244.2	239.1	238.2	236.8
20°	240.1	238.2	231.8	230.8	229.0
22.5°	233.8	231.8	225.1	222.8	221.4
25°	227.4	224.4	217.0	214.4	212.2
27.5°	220.2	216.6	208.8	205.5	203.3
30°	212.2	208.5	200.1	195.5	193.7
32.5°	204.4	199.9	191.3	186.1	183.8
35°	195.9	191.1	182.1	176.4	173.5
37.5°	187.7	181.9	172.7	166.0	163.1
40°	178.9	173.0	163.4	155.8	153.4
42.5°	169.7	163.6	153.6	146.4	142.6
45°	160.4	154.6	143.6	135.7	132.7
47.5°	150.6	144.6	133.6	125.5	122.1
50°	141.4	134.8	123.5	115.1	112.1
52.5°	131.4	124.7	114.1	104.9	101.9
55°	121.7	115.3	104.2	95.2	92.0
57.5°	111.7	104.9	94.2	85.4	82.6
60°	102.1	95.2	84.4	75.6	72.6
62.5°	92.0	85.4	74.4	66.4	63.4
65°	82.4	75.6	65.1	57.0	54.0
67.5°	72.8	66.1	55.8	48.3	45.9
70°	63.1	56.2	46.3	40.1	37.7
72.5°	53.5	46.9	37.7	32.1	30.7
75°	43.9	37.9	29.5	25.2	23.8
77.5°	34.1	29.3	22.3	19.0	17.8
80°	25.9	21.2	15.6	13.8	13.4
82.5°	17.9	13.8	10.4	9.7	9.6
85°	11.0	7.4	6.4	6.2	6.0
87.5°	4.6	3.2	3.0	3.0	2.8
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)