

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: P888373

Luminaire Tested: **DPT5-4F029-37V60-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: P888373
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-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

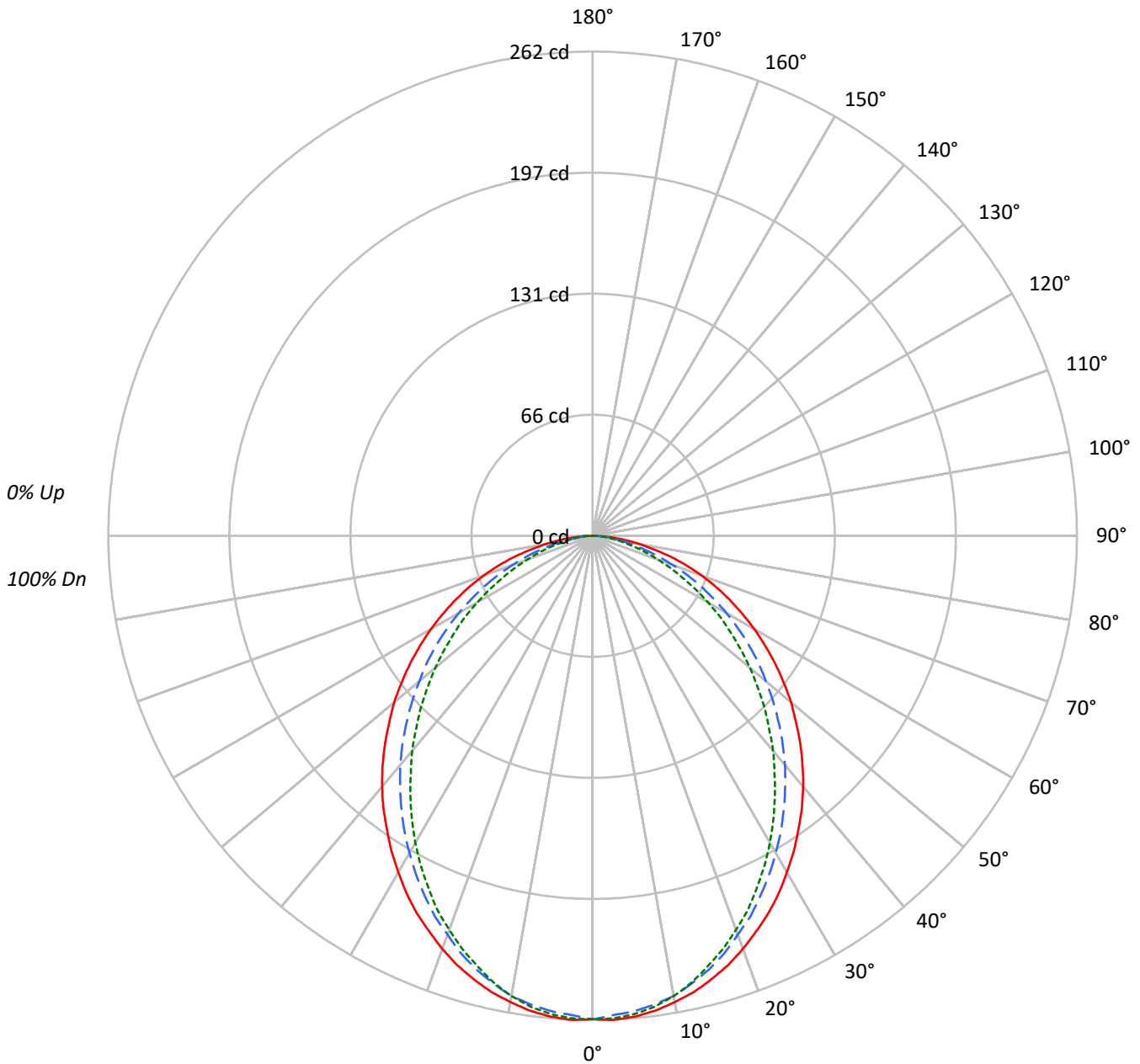
Lumens per Lamp: N/A
Luminaire Lumens: 618.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.31' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	3116	3116	3116
5°	3123	3087	3106
10°	3098	3058	3058
15°	3063	2996	2971
20°	3014	2910	2874
25°	2959	2824	2762
30°	2891	2726	2638
35°	2821	2623	2499
40°	2755	2515	2362
45°	2675	2395	2213
50°	2596	2266	2057
55°	2502	2143	1892
60°	2408	1991	1713
65°	2300	1815	1508
70°	2173	1595	1299
75°	2002	1344	1081
80°	1763	1056	912
85°	1476	861	806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	4.0
10°-20°	68.8	11.1
20°-30°	99.8	16.1
30°-40°	113.7	18.4
40°-50°	110.8	17.9
50°-60°	93.2	15.1
60°-70°	65.3	10.6
70°-80°	33.5	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°	193.2	31.3
0°-40°	306.8	49.6
0°-60°	510.8	82.7
0°-90°	618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	262	262	262	262	262	
5°	261	260	258	260	260	25
15°	248	247	243	243	241	70
25°	225	222	215	212	210	104
35°	194	189	180	175	172	121
45°	159	153	142	134	131	122
55°	120	114	103	94	91	108
65°	82	75	64	56	54	81
75°	44	38	29	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°	261.6	261.6	261.6	261.6	261.6
2.5°	262.2	261.6	259.6	261.6	261.4
5°	261.2	260.4	258.2	260.2	259.8
7.5°	259.2	258.4	255.8	257.4	257.0
10°	256.2	255.7	252.9	253.5	252.9
12.5°	252.9	252.1	248.1	248.5	247.6
15°	248.4	247.1	243.0	242.8	241.0
17.5°	243.6	241.8	236.9	235.9	234.5
20°	237.8	235.9	229.6	228.6	226.8
22.5°	231.5	229.6	222.9	220.7	219.3
25°	225.2	222.2	214.9	212.4	210.2
27.5°	218.1	214.5	206.8	203.5	201.3
30°	210.2	206.5	198.2	193.6	191.8
32.5°	202.5	198.0	189.5	184.3	182.0
35°	194.0	189.3	180.4	174.7	171.9
37.5°	185.9	180.2	171.1	164.4	161.6
40°	177.2	171.3	161.8	154.3	151.9
42.5°	168.1	162.0	152.1	145.0	141.2
45°	158.8	153.1	142.2	134.3	131.4
47.5°	149.1	143.3	132.3	124.3	120.9
50°	140.1	133.5	122.3	114.0	111.0
52.5°	130.2	123.5	113.0	103.9	100.9
55°	120.5	114.2	103.2	94.3	91.1
57.5°	110.6	103.9	93.3	84.5	81.8
60°	101.1	94.3	83.6	74.9	71.9
62.5°	91.1	84.5	73.7	65.8	62.8
65°	81.6	74.9	64.4	56.5	53.5
67.5°	72.1	65.4	55.3	47.8	45.5
70°	62.4	55.7	45.8	39.7	37.3
72.5°	53.0	46.4	37.3	31.8	30.5
75°	43.5	37.5	29.2	24.9	23.5
77.5°	33.8	29.0	22.1	18.8	17.6
80°	25.7	21.0	15.4	13.6	13.3
82.5°	17.8	13.6	10.3	9.6	9.5
85°	10.8	7.3	6.3	6.1	5.9
87.5°	4.6	3.2	3.0	3.0	2.7
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)