

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: P888387

Luminaire Tested: **DPT5-4F029-61V60-F-XX-UDD_4500K**

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: P888387
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: DPT5-4F029-61V60-F-XX-UDD_4500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

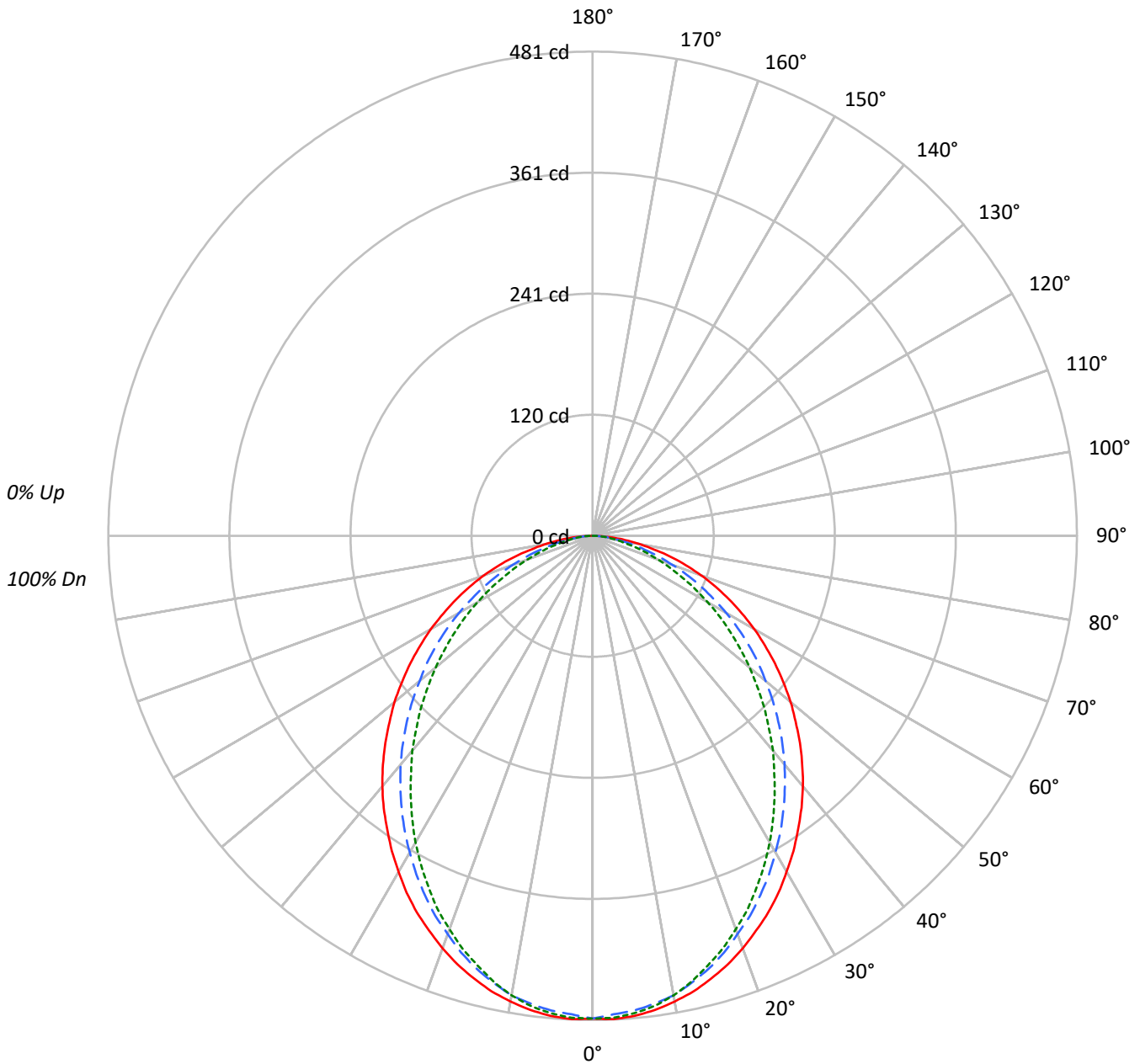
Lumens per Lamp: N/A
Luminaire Lumens: 1133.0 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.31' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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°	5712	5712	5712
5°	5724	5660	5693
10°	5681	5606	5606
15°	5614	5492	5449
20°	5526	5334	5270
25°	5426	5177	5064
30°	5300	4996	4837
35°	5172	4808	4581
40°	5051	4611	4331
45°	4905	4393	4057
50°	4758	4154	3772
55°	4589	3926	3468
60°	4416	3649	3139
65°	4216	3328	2765
70°	3987	2925	2385
75°	3667	2466	1983
80°	3230	1941	1667
85°	2719	1585	1489



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	4.0
10°-20°	126.1	11.1
20°-30°	182.9	16.1
30°-40°	208.4	18.4
40°-50°	203.1	17.9
50°-60°	170.9	15.1
60°-70°	119.8	10.6
70°-80°	61.4	5.4
80°-90°	15.3	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°	354.1	31.3
0°-40°	562.5	49.6
0°-60°	936.5	82.7
0°-90°	1133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	480	480	480	480	480	
5°	479	477	473	477	476	45
15°	455	453	445	445	442	128
25°	413	407	394	389	385	190
35°	356	347	331	320	315	223
45°	291	281	261	246	241	225
55°	221	209	189	173	167	198
65°	150	137	118	104	98	148
75°	80	69	54	46	43	84
85°	20	13	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°	479.6	479.6	479.6	479.6	479.6
2.5°	480.7	479.6	475.9	479.6	479.2
5°	478.8	477.4	473.4	477.0	476.2
7.5°	475.2	473.7	469.0	471.9	471.2
10°	469.8	468.7	463.6	464.7	463.6
12.5°	463.6	462.1	454.9	455.6	453.8
15°	455.3	453.1	445.4	445.1	441.9
17.5°	446.6	443.4	434.2	432.5	429.9
20°	436.0	432.5	420.9	419.0	415.8
22.5°	424.5	420.9	408.6	404.6	402.0
25°	412.9	407.4	394.0	389.3	385.4
27.5°	399.9	393.3	379.2	373.1	369.1
30°	385.4	378.5	363.3	355.0	351.7
32.5°	371.2	362.9	347.4	337.9	333.6
35°	355.7	347.0	330.7	320.2	315.1
37.5°	340.8	330.3	313.6	301.4	296.2
40°	324.9	314.0	296.6	282.9	278.6
42.5°	308.2	297.0	278.8	265.9	258.9
45°	291.2	280.8	260.8	246.3	240.9
47.5°	273.4	262.6	242.6	227.8	221.6
50°	256.8	244.8	224.2	209.0	203.6
52.5°	238.6	226.4	207.1	190.5	185.0
55°	221.0	209.4	189.1	172.8	167.0
57.5°	202.8	190.5	171.0	155.0	150.0
60°	185.4	172.8	153.2	137.3	131.8
62.5°	167.0	155.0	135.1	120.6	115.2
65°	149.6	137.3	118.1	103.5	98.1
67.5°	132.2	119.9	101.4	87.7	83.4
70°	114.5	102.1	84.0	72.8	68.5
72.5°	97.1	85.1	68.5	58.3	55.8
75°	79.7	68.8	53.6	45.7	43.1
77.5°	61.9	53.2	40.5	34.5	32.2
80°	47.1	38.4	28.3	25.0	24.3
82.5°	32.6	25.0	18.9	17.7	17.4
85°	19.9	13.4	11.6	11.2	10.9
87.5°	8.4	5.8	5.4	5.4	5.0
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)