

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: P888362

Luminaire Tested: **DPT5-4F029-127V60-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: P888362
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: DPT5-4F029-127V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

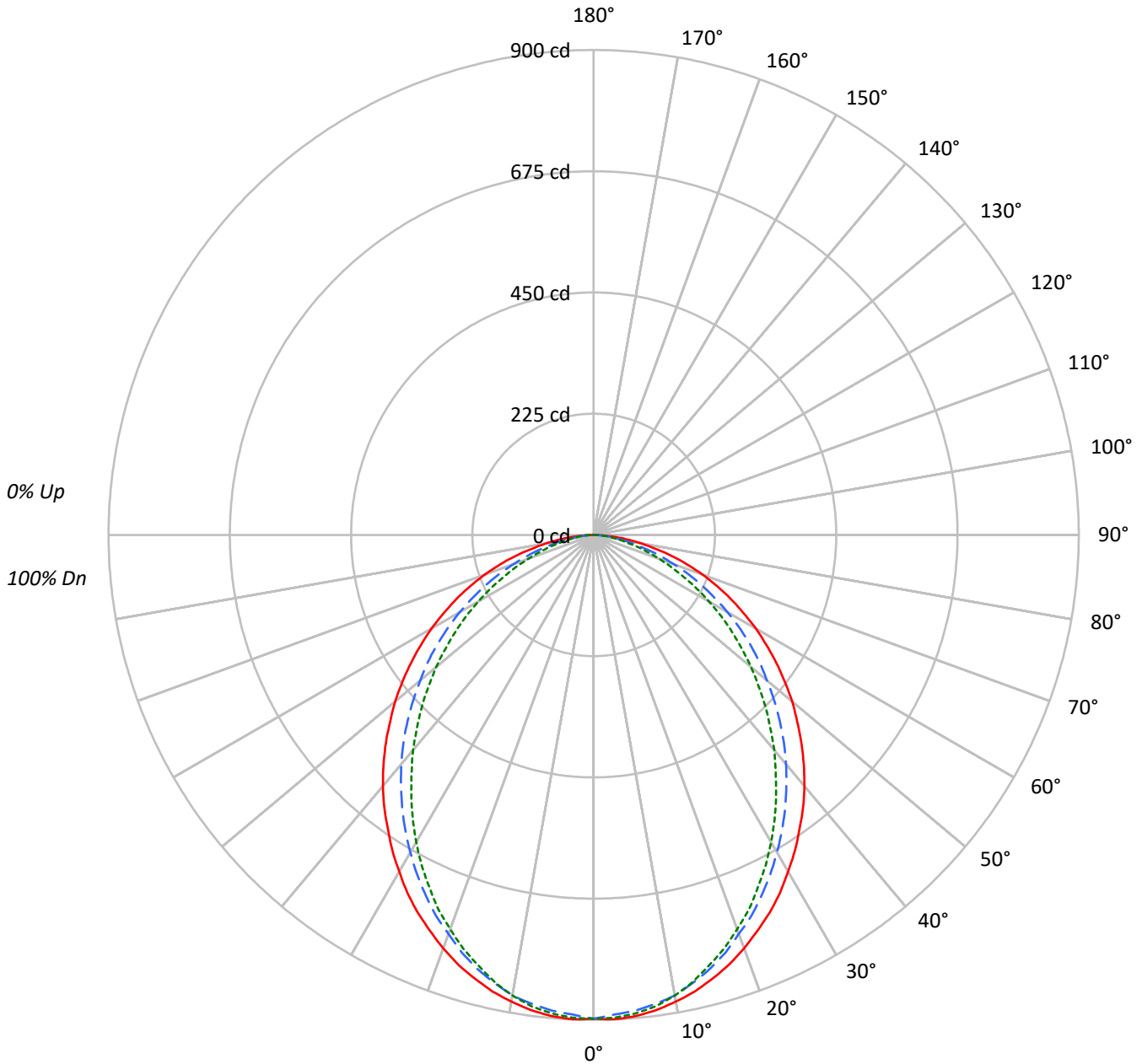
Lumens per Lamp: N/A
Luminaire Lumens: 2121.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.31' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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°	10692	10692	10692
5°	10717	10595	10658
10°	10635	10495	10495
15°	10510	10282	10199
20°	10346	9985	9865
25°	10157	9694	9480
30°	9921	9353	9054
35°	9680	9001	8577
40°	9456	8633	8108
45°	9181	8221	7594
50°	8906	7776	7061
55°	8590	7352	6493
60°	8268	6831	5879
65°	7893	6231	5174
70°	7462	5474	4464
75°	6865	4620	3713
80°	6049	3635	3121
85°	5083	2979	2788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	4.0
10°-20°	236.1	11.1
20°-30°	342.4	16.1
30°-40°	390.1	18.4
40°-50°	380.2	17.9
50°-60°	320.0	15.1
60°-70°	224.2	10.6
70°-80°	115.0	5.4
80°-90°	28.7	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°	663.0	31.3
0°-40°	1053.0	49.6
0°-60°	1753.2	82.7
0°-90°	2121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	896	894	886	893	892	85
15°	852	848	834	833	827	240
25°	773	763	738	729	721	356
35°	666	650	619	599	590	417
45°	545	526	488	461	451	420
55°	414	392	354	324	313	370
65°	280	257	221	194	184	277
75°	149	129	100	86	81	158
85°	37	25	22	21	20	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.8	897.8	897.8	897.8	897.8
2.5°	899.8	897.8	891.0	897.8	897.0
5°	896.4	893.8	886.2	892.9	891.5
7.5°	889.6	886.8	878.0	883.4	882.2
10°	879.4	877.4	867.8	870.0	867.8
12.5°	867.8	865.1	851.5	852.9	849.6
15°	852.4	848.2	833.9	833.3	827.2
17.5°	836.0	830.0	812.9	809.6	804.8
20°	816.3	809.6	787.8	784.5	778.4
22.5°	794.6	787.8	765.0	757.4	752.5
25°	772.9	762.7	737.7	728.9	721.4
27.5°	748.6	736.3	709.9	698.4	691.0
30°	721.4	708.6	680.1	664.6	658.4
32.5°	694.9	679.4	650.3	632.6	624.6
35°	665.8	649.6	619.1	599.4	589.9
37.5°	638.1	618.3	587.1	564.2	554.5
40°	608.2	587.9	555.3	529.5	521.5
42.5°	576.9	555.9	522.0	497.7	484.7
45°	545.1	525.6	488.1	461.1	450.9
47.5°	511.8	491.7	454.2	426.5	414.9
50°	480.7	458.3	419.7	391.3	381.1
52.5°	446.8	423.9	387.8	356.6	346.4
55°	413.7	391.9	354.1	323.5	312.7
57.5°	379.7	356.6	320.1	290.2	280.7
60°	347.1	323.5	286.8	257.0	246.8
62.5°	312.7	290.2	252.9	225.8	215.6
65°	280.1	257.0	221.1	193.8	183.6
67.5°	247.4	224.5	189.8	164.1	156.1
70°	214.3	191.2	157.2	136.2	128.2
72.5°	181.7	159.4	128.2	109.2	104.5
75°	149.2	128.8	100.4	85.5	80.7
77.5°	115.8	99.6	75.8	64.5	60.4
80°	88.2	71.9	53.0	46.8	45.5
82.5°	61.0	46.8	35.3	33.1	32.6
85°	37.2	25.0	21.8	21.0	20.4
87.5°	15.7	10.8	10.2	10.2	9.4
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)