

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: P888109

Luminaire Tested: **DPT5-4F029-61V60-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: P888109
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-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

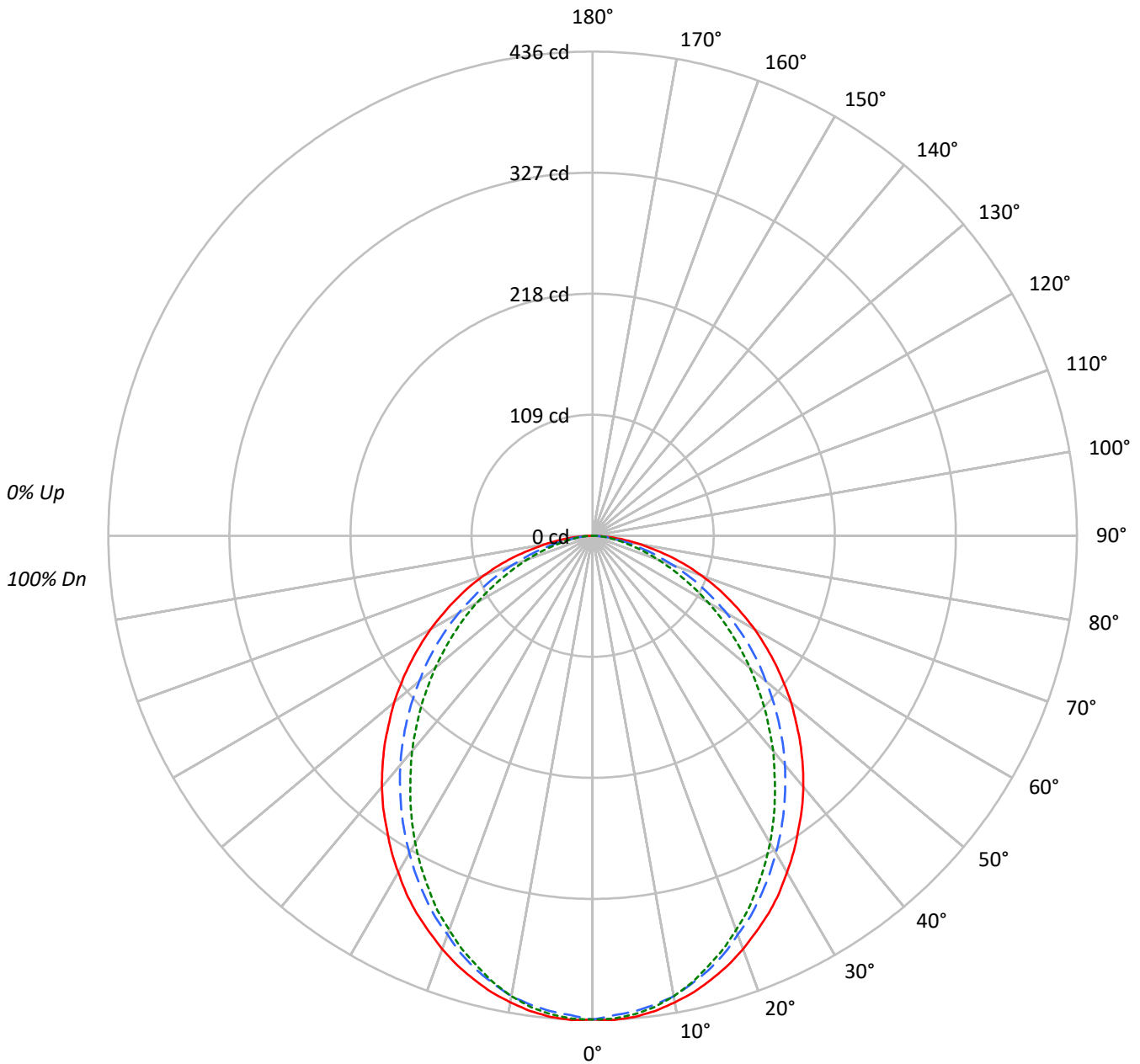
Lumens per Lamp: N/A
Luminaire Lumens: 1029.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	5188	5188	5188
5°	5199	5139	5171
10°	5159	5091	5091
15°	5098	4989	4948
20°	5019	4844	4786
25°	4928	4703	4599
30°	4813	4537	4392
35°	4696	4366	4161
40°	4588	4188	3933
45°	4455	3988	3685
50°	4321	3772	3426
55°	4167	3567	3150
60°	4011	3313	2851
65°	3830	3024	2511
70°	3621	2657	2166
75°	3331	2241	1804
80°	2935	1763	1516
85°	2473	1448	1353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	4.0
10°-20°	114.6	11.1
20°-30°	166.1	16.1
30°-40°	189.2	18.4
40°-50°	184.4	17.9
50°-60°	155.2	15.1
60°-70°	108.8	10.6
70°-80°	55.8	5.4
80°-90°	13.9	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°	321.6	31.3
0°-40°	510.9	49.6
0°-60°	850.5	82.7
0°-90°	1029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1029.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	435	434	430	433	432	41
15°	414	412	405	404	401	117
25°	375	370	358	354	350	173
35°	323	315	300	291	286	202
45°	264	255	237	224	219	204
55°	201	190	172	157	152	179
65°	136	125	107	94	89	135
75°	72	62	49	42	39	77
85°	18	12	11	10	10	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	435.6	435.6	435.6	435.6	435.6
2.5°	436.5	435.6	432.3	435.6	435.2
5°	434.9	433.6	429.9	433.2	432.5
7.5°	431.6	430.2	426.0	428.6	428.0
10°	426.6	425.7	421.0	422.1	421.0
12.5°	421.0	419.7	413.1	413.8	412.2
15°	413.5	411.5	404.6	404.3	401.3
17.5°	405.6	402.7	394.4	392.8	390.5
20°	396.0	392.8	382.2	380.6	377.6
22.5°	385.5	382.2	371.1	367.5	365.1
25°	375.0	370.0	357.9	353.6	350.0
27.5°	363.2	357.2	344.4	338.8	335.2
30°	350.0	343.8	329.9	322.4	319.4
32.5°	337.1	329.6	315.5	306.9	303.0
35°	323.0	315.2	300.3	290.8	286.2
37.5°	309.6	300.0	284.8	273.7	269.0
40°	295.1	285.2	269.4	256.9	253.0
42.5°	279.9	269.7	253.2	241.5	235.2
45°	264.5	255.0	236.8	223.7	218.8
47.5°	248.3	238.5	220.3	206.9	201.3
50°	233.2	222.4	203.6	189.8	184.9
52.5°	216.7	205.6	188.1	173.0	168.0
55°	200.7	190.1	171.8	156.9	151.7
57.5°	184.2	173.0	155.3	140.8	136.2
60°	168.4	156.9	139.1	124.7	119.7
62.5°	151.7	140.8	122.7	109.5	104.6
65°	135.9	124.7	107.3	94.0	89.1
67.5°	120.0	108.9	92.1	79.6	75.7
70°	104.0	92.7	76.3	66.1	62.2
72.5°	88.2	77.3	62.2	53.0	50.7
75°	72.4	62.5	48.7	41.5	39.2
77.5°	56.2	48.3	36.8	31.3	29.3
80°	42.8	34.9	25.7	22.7	22.1
82.5°	29.6	22.7	17.1	16.0	15.8
85°	18.1	12.1	10.6	10.2	9.9
87.5°	7.6	5.2	4.9	4.9	4.6
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)