

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: P888382

Luminaire Tested: **DPT5-4F029-61S40-F-XX-UDD**

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: P888382
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: DPT5-4F029-61S40-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

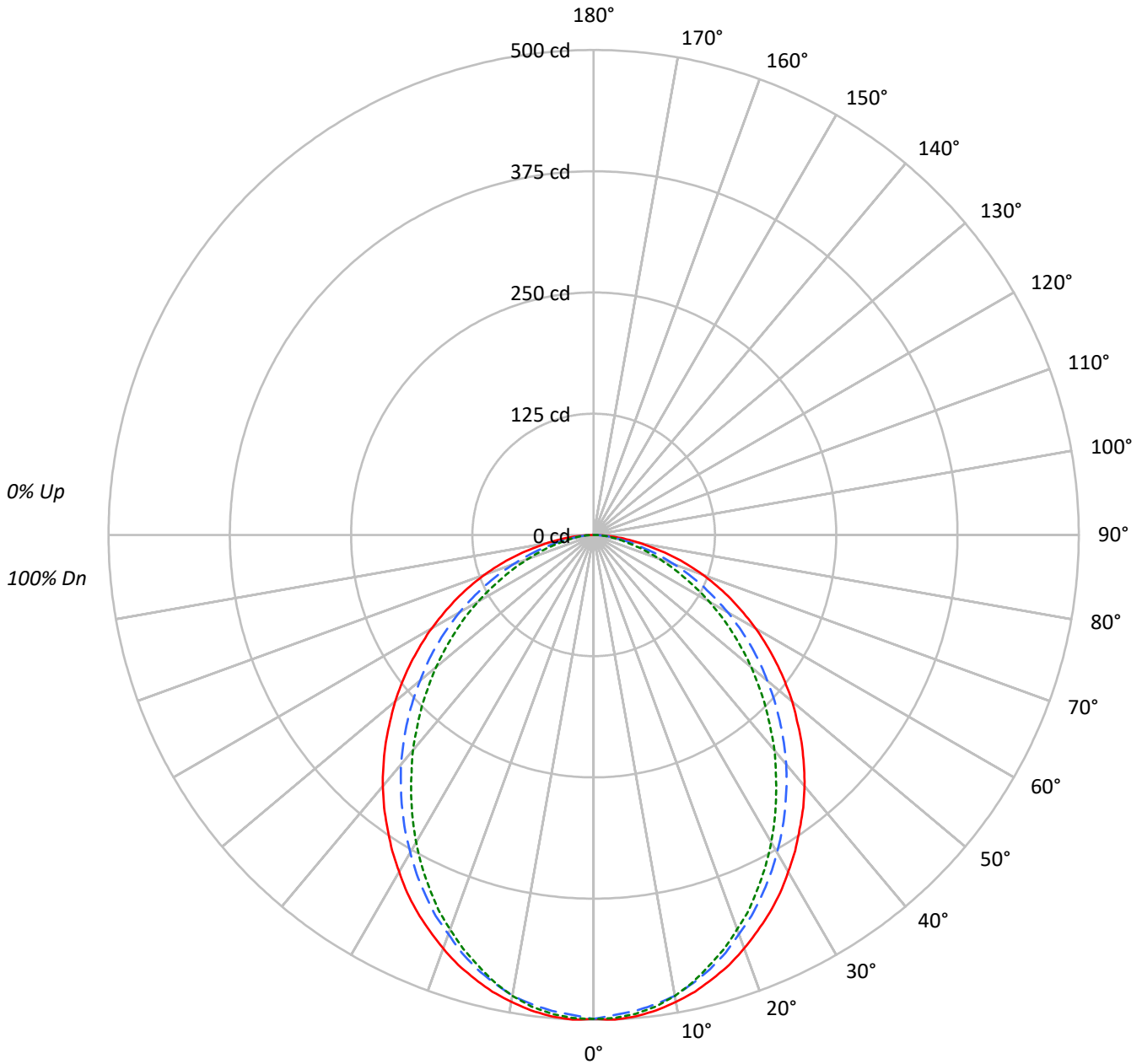
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1179.0 lumens
Efficiency: N/A
Efficacy: 102.5 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°	5943	5943	5943
5°	5957	5889	5925
10°	5911	5834	5834
15°	5842	5715	5669
20°	5750	5550	5484
25°	5645	5388	5269
30°	5515	5198	5033
35°	5381	5003	4767
40°	5256	4799	4507
45°	5103	4569	4221
50°	4951	4323	3924
55°	4774	4086	3609
60°	4597	3797	3268
65°	4388	3463	2877
70°	4147	3043	2479
75°	3815	2568	2066
80°	3361	2016	1735
85°	2829	1653	1544



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	4.0
10°-20°	131.2	11.1
20°-30°	190.3	16.1
30°-40°	216.8	18.4
40°-50°	211.3	17.9
50°-60°	177.8	15.1
60°-70°	124.6	10.6
70°-80°	63.9	5.4
80°-90°	15.9	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°	368.5	31.3
0°-40°	585.3	49.6
0°-60°	974.5	82.7
0°-90°	1179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1179.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	499	499	499	499	499	
5°	498	497	493	496	496	47
15°	474	472	464	463	460	134
25°	430	424	410	405	401	198
35°	370	361	344	333	328	232
45°	303	292	271	256	251	234
55°	230	218	197	180	174	206
65°	156	143	123	108	102	154
75°	83	72	56	48	45	88
85°	21	14	12	12	11	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499.0	499.0	499.0	499.0	499.0
2.5°	500.2	499.0	495.3	499.0	498.6
5°	498.3	496.8	492.6	496.3	495.6
7.5°	494.5	493.0	488.1	491.1	490.4
10°	488.8	487.7	482.4	483.6	482.4
12.5°	482.4	480.9	473.3	474.1	472.3
15°	473.8	471.5	463.5	463.2	459.8
17.5°	464.7	461.4	451.9	450.0	447.4
20°	453.7	450.0	437.9	436.1	432.7
22.5°	441.7	437.9	425.2	421.0	418.3
25°	429.6	424.0	410.0	405.2	401.0
27.5°	416.1	409.3	394.6	388.2	384.1
30°	401.0	393.9	378.0	369.4	366.0
32.5°	386.3	377.7	361.5	351.7	347.2
35°	370.1	361.1	344.1	333.2	327.9
37.5°	354.7	343.7	326.4	313.6	308.3
40°	338.1	326.8	308.7	294.3	289.9
42.5°	320.7	309.0	290.1	276.7	269.4
45°	303.0	292.2	271.3	256.3	250.6
47.5°	284.5	273.3	252.5	237.1	230.6
50°	267.2	254.8	233.3	217.5	211.8
52.5°	248.3	235.6	215.5	198.2	192.5
55°	229.9	217.9	196.8	179.8	173.8
57.5°	211.1	198.2	177.9	161.3	156.0
60°	193.0	179.8	159.4	142.8	137.2
62.5°	173.8	161.3	140.6	125.5	119.8
65°	155.7	142.8	122.9	107.7	102.1
67.5°	137.5	124.8	105.5	91.2	86.8
70°	119.1	106.3	87.4	75.7	71.2
72.5°	101.0	88.6	71.2	60.7	58.1
75°	82.9	71.6	55.8	47.5	44.9
77.5°	64.4	55.4	42.2	35.9	33.6
80°	49.0	40.0	29.4	26.0	25.3
82.5°	33.9	26.0	19.6	18.4	18.1
85°	20.7	13.9	12.1	11.7	11.3
87.5°	8.7	6.0	5.7	5.7	5.2
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)