

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: P888114

Luminaire Tested: **DPT5-4F029-61V60-A-XX-UDD_6500K**

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: P888114
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_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

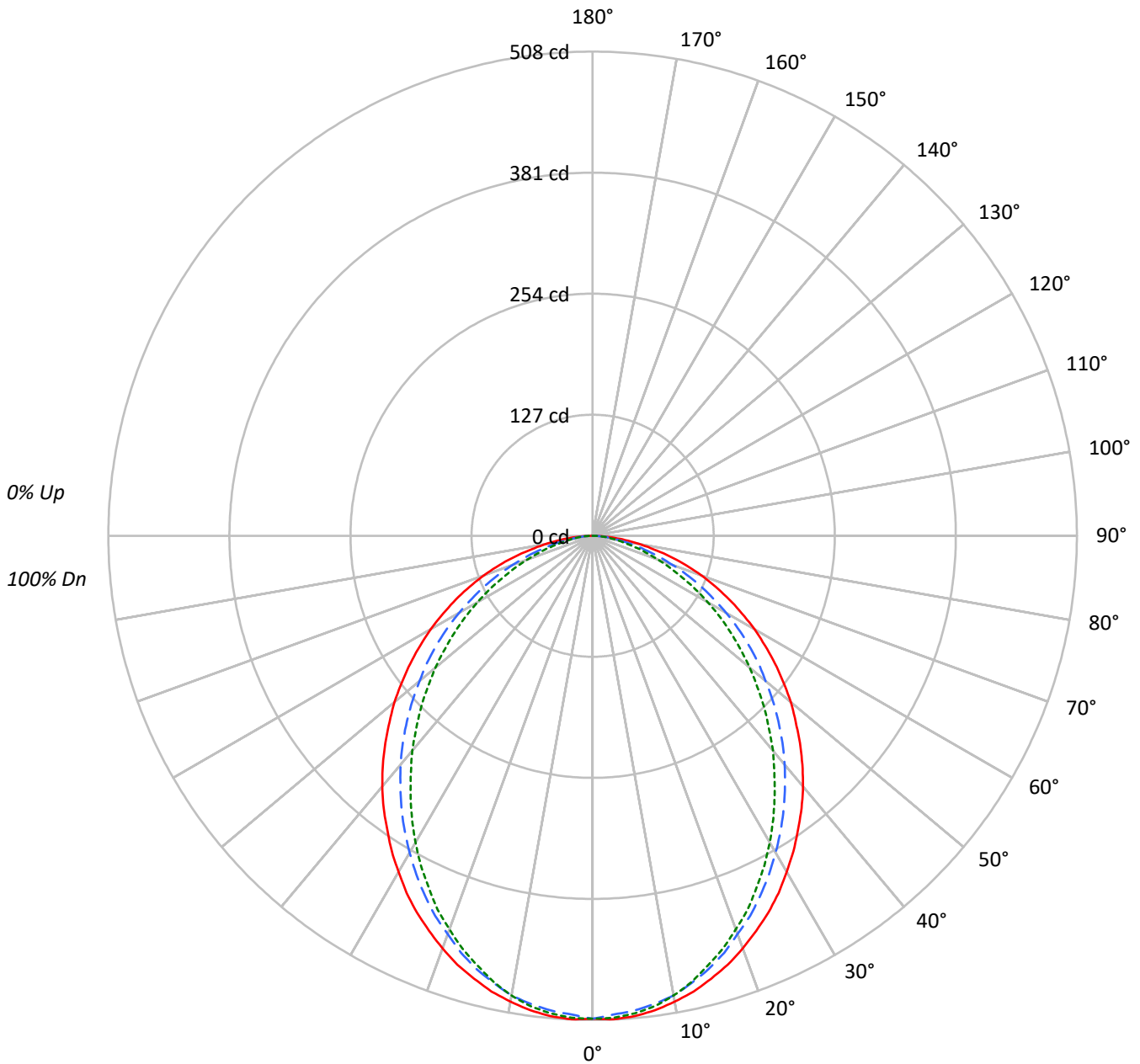
Lumens per Lamp: N/A
Luminaire Lumens: 1197.0 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.31' x L: 0.39' x H: 0')
CIE Type: Direct

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°	6035	6035	6035
5°	6048	5979	6015
10°	6002	5923	5923
15°	5931	5802	5756
20°	5839	5635	5568
25°	5732	5471	5350
30°	5598	5278	5110
35°	5464	5080	4840
40°	5337	4872	4575
45°	5181	4640	4286
50°	5027	4389	3985
55°	4848	4149	3665
60°	4666	3854	3318
65°	4455	3517	2920
70°	4213	3089	2518
75°	3874	2604	2098
80°	3416	2051	1763
85°	2870	1681	1571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	4.0
10°-20°	133.3	11.1
20°-30°	193.2	16.1
30°-40°	220.1	18.4
40°-50°	214.6	17.9
50°-60°	180.6	15.1
60°-70°	126.5	10.6
70°-80°	64.9	5.4
80°-90°	16.2	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°	374.2	31.3
0°-40°	594.3	49.6
0°-60°	989.4	82.7
0°-90°	1197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	507	507	507	507	507	
5°	506	504	500	504	503	48
15°	481	479	471	470	467	136
25°	436	430	416	411	407	201
35°	376	367	349	338	333	235
45°	308	297	276	260	254	237
55°	234	221	200	183	176	209
65°	158	145	125	109	104	157
75°	84	73	57	48	46	89
85°	21	14	12	12	12	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	506.7	506.7	506.7	506.7	506.7
2.5°	507.8	506.7	502.8	506.7	506.2
5°	505.9	504.4	500.1	503.9	503.1
7.5°	502.1	500.5	495.5	498.6	497.9
10°	496.3	495.2	489.8	491.0	489.8
12.5°	489.8	488.2	480.5	481.3	479.5
15°	481.0	478.7	470.6	470.3	466.8
17.5°	471.8	468.4	458.8	456.9	454.2
20°	460.7	456.9	444.6	442.7	439.3
22.5°	448.5	444.6	431.7	427.5	424.7
25°	436.2	430.4	416.3	411.3	407.1
27.5°	422.5	415.5	400.6	394.2	390.0
30°	407.1	399.9	383.8	375.1	371.6
32.5°	392.2	383.4	367.0	357.0	352.5
35°	375.8	366.6	349.4	338.3	332.9
37.5°	360.1	348.9	331.3	318.4	313.0
40°	343.3	331.8	313.4	298.8	294.3
42.5°	325.6	313.7	294.6	280.9	273.6
45°	307.6	296.6	275.5	260.2	254.5
47.5°	288.8	277.5	256.3	240.7	234.2
50°	271.3	258.7	236.9	220.8	215.1
52.5°	252.1	239.2	218.8	201.2	195.5
55°	233.5	221.2	199.8	182.6	176.5
57.5°	214.3	201.2	180.6	163.8	158.4
60°	195.9	182.6	161.8	145.0	139.3
62.5°	176.5	163.8	142.7	127.4	121.7
65°	158.1	145.0	124.8	109.4	103.6
67.5°	139.6	126.7	107.1	92.6	88.1
70°	121.0	107.9	88.7	76.9	72.3
72.5°	102.6	89.9	72.3	61.6	59.0
75°	84.2	72.7	56.6	48.3	45.6
77.5°	65.4	56.2	42.8	36.4	34.1
80°	49.8	40.6	29.9	26.4	25.7
82.5°	34.4	26.4	19.9	18.7	18.4
85°	21.0	14.1	12.3	11.9	11.5
87.5°	8.9	6.1	5.7	5.7	5.3
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)