

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: P888105

Luminaire Tested: **DPT5-4F029-61S30-A-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: P888105
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: DPT5-4F029-61S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

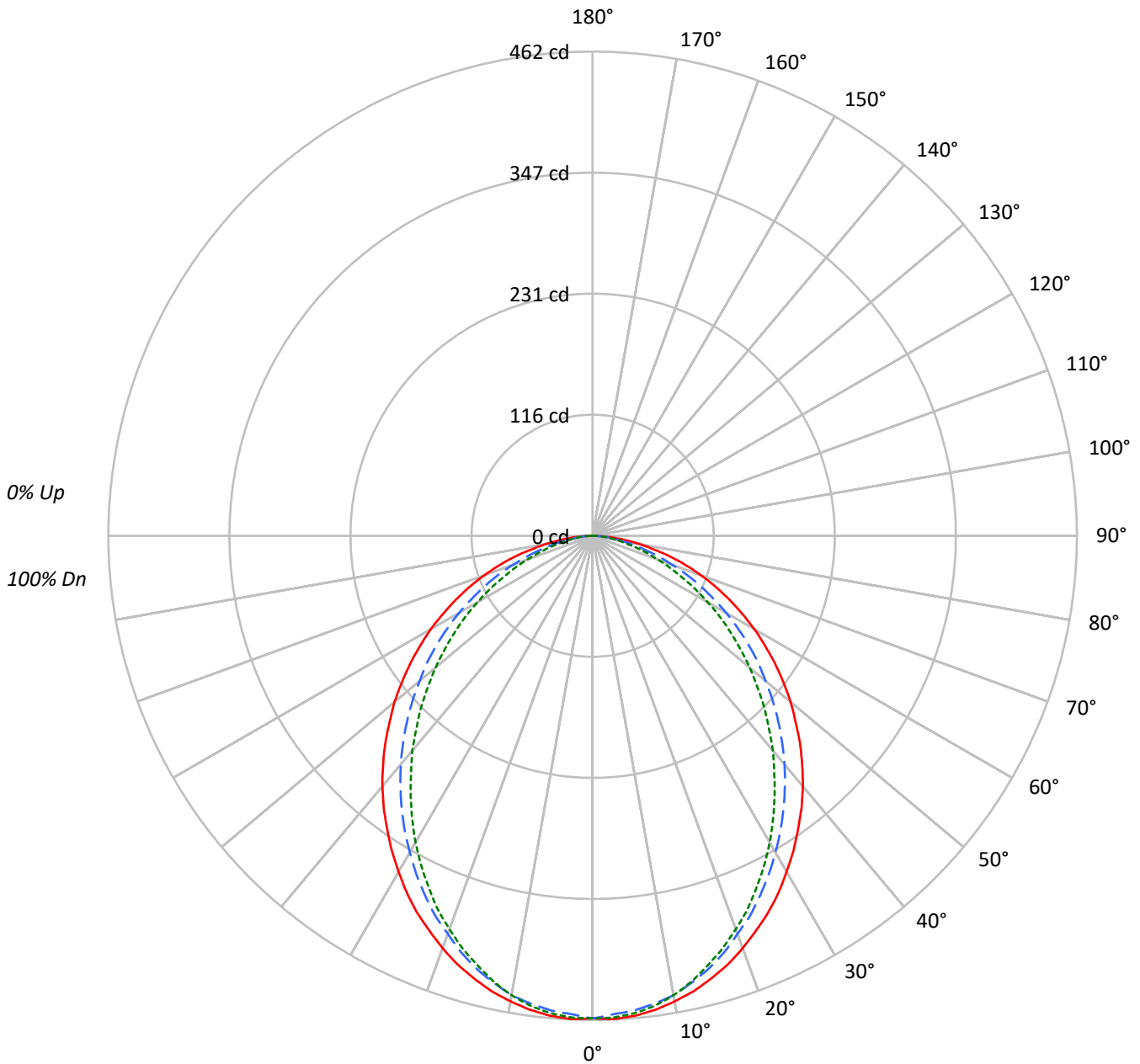
Lumens per Lamp: N/A
Luminaire Lumens: 1088.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.31' x L: 0.39' x H: 0')
CIE Type: Direct

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°	5484	5484	5484
5°	5497	5435	5467
10°	5455	5384	5384
15°	5391	5275	5232
20°	5307	5122	5061
25°	5210	4972	4863
30°	5090	4797	4645
35°	4967	4618	4399
40°	4851	4428	4159
45°	4709	4217	3896
50°	4569	3989	3622
55°	4406	3771	3331
60°	4242	3504	3016
65°	4050	3196	2655
70°	3827	2807	2288
75°	3520	2370	1905
80°	3100	1866	1605
85°	2610	1530	1435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	4.0
10°-20°	121.1	11.1
20°-30°	175.6	16.1
30°-40°	200.1	18.4
40°-50°	195.0	17.9
50°-60°	164.1	15.1
60°-70°	115.0	10.6
70°-80°	59.0	5.4
80°-90°	14.7	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°	340.1	31.3
0°-40°	540.2	49.6
0°-60°	899.3	82.7
0°-90°	1088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	460	458	455	458	457	44
15°	437	435	428	427	424	123
25°	396	391	378	374	370	182
35°	342	333	318	308	303	214
45°	280	270	250	236	231	216
55°	212	201	182	166	160	190
65°	144	132	113	99	94	142
75°	76	66	52	44	41	81
85°	19	13	11	11	10	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	460.5	460.5	460.5	460.5	460.5
2.5°	461.6	460.5	457.0	460.5	460.1
5°	459.8	458.5	454.6	458.0	457.3
7.5°	456.3	454.9	450.4	453.2	452.5
10°	451.1	450.1	445.2	446.3	445.2
12.5°	445.2	443.8	436.8	437.5	435.8
15°	437.2	435.1	427.8	427.4	424.3
17.5°	428.9	425.8	417.0	415.3	412.8
20°	418.7	415.3	404.1	402.4	399.3
22.5°	407.6	404.1	392.4	388.5	386.0
25°	396.5	391.2	378.4	373.9	370.1
27.5°	384.0	377.7	364.1	358.3	354.5
30°	370.1	363.5	348.8	340.9	337.8
32.5°	356.5	348.5	333.6	324.5	320.4
35°	341.6	333.2	317.6	307.5	302.6
37.5°	327.3	317.2	301.2	289.4	284.5
40°	312.0	301.6	284.8	271.6	267.5
42.5°	295.9	285.2	267.7	255.3	248.7
45°	279.6	269.6	250.4	236.5	231.3
47.5°	262.5	252.2	233.0	218.8	212.8
50°	246.6	235.1	215.3	200.7	195.5
52.5°	229.2	217.4	198.9	182.9	177.7
55°	212.2	201.0	181.6	165.9	160.4
57.5°	194.8	182.9	164.2	148.8	144.0
60°	178.1	165.9	147.1	131.8	126.6
62.5°	160.4	148.8	129.7	115.8	110.6
65°	143.7	131.8	113.4	99.4	94.2
67.5°	126.9	115.2	97.4	84.2	80.1
70°	109.9	98.1	80.6	69.9	65.7
72.5°	93.2	81.7	65.7	56.0	53.6
75°	76.5	66.1	51.5	43.9	41.4
77.5°	59.4	51.1	38.9	33.1	31.0
80°	45.2	36.9	27.2	24.0	23.4
82.5°	31.3	24.0	18.1	17.0	16.7
85°	19.1	12.8	11.2	10.8	10.5
87.5°	8.1	5.5	5.2	5.2	4.8
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)