

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: P888103

Luminaire Tested: **DPT5-4F029-37V60-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: P888103
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: DPT5-4F029-37V60-A-XX-UDD_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

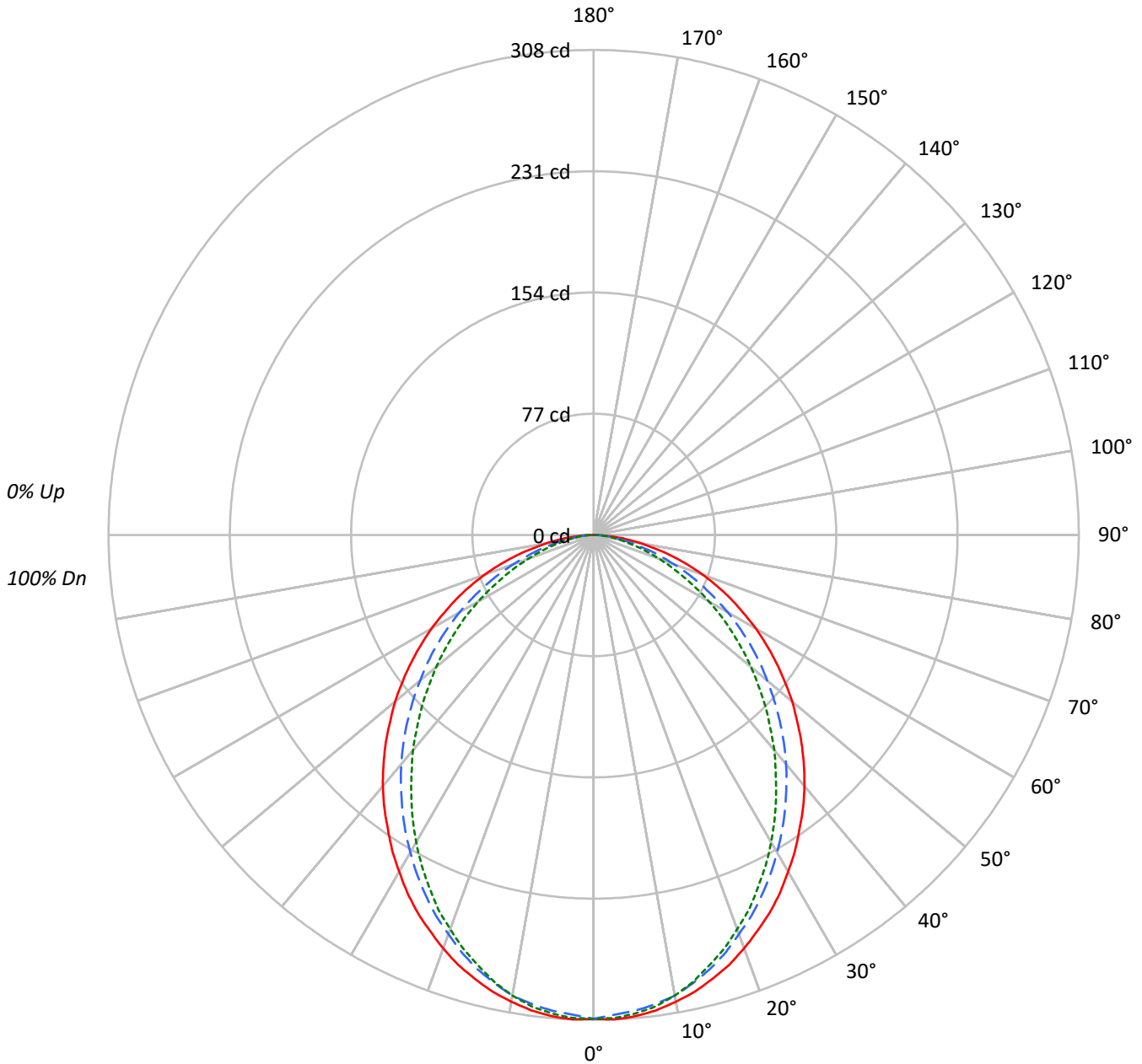
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 726.0 lumens
Efficiency: N/A
Efficacy: 103.7 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): 7
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°	3660	3660	3660
5°	3668	3626	3647
10°	3640	3593	3593
15°	3598	3519	3491
20°	3541	3418	3376
25°	3477	3318	3244
30°	3395	3201	3100
35°	3313	3081	2935
40°	3237	2955	2775
45°	3143	2814	2599
50°	3048	2662	2416
55°	2940	2517	2222
60°	2830	2339	2013
65°	2703	2133	1773
70°	2556	1873	1529
75°	2351	1583	1270
80°	2071	1241	1070
85°	1735	1011	957



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	4.0
10°-20°	80.8	11.1
20°-30°	117.2	16.1
30°-40°	133.5	18.4
40°-50°	130.1	17.9
50°-60°	109.5	15.1
60°-70°	76.7	10.6
70°-80°	39.4	5.4
80°-90°	9.8	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°	226.9	31.3
0°-40°	360.4	49.6
0°-60°	600.1	82.7
0°-90°	726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	307	306	303	306	305	29
15°	292	290	285	285	283	82
25°	265	261	252	250	247	122
35°	228	222	212	205	202	143
45°	187	180	167	158	154	144
55°	142	134	121	111	107	127
65°	96	88	76	66	63	95
75°	51	44	34	29	28	54
85°	13	9	7	7	7	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	307.3	307.3	307.3	307.3	307.3
2.5°	308.0	307.3	305.0	307.3	307.0
5°	306.8	305.9	303.3	305.6	305.1
7.5°	304.5	303.6	300.5	302.4	302.0
10°	301.0	300.3	297.1	297.8	297.1
12.5°	297.1	296.1	291.5	291.9	290.8
15°	291.8	290.3	285.4	285.2	283.1
17.5°	286.2	284.1	278.2	277.1	275.5
20°	279.4	277.1	269.7	268.5	266.4
22.5°	272.0	269.7	261.8	259.3	257.6
25°	264.6	261.1	252.5	249.5	246.9
27.5°	256.2	252.0	243.0	239.1	236.5
30°	246.9	242.6	232.8	227.5	225.4
32.5°	237.9	232.6	222.6	216.5	213.8
35°	227.9	222.4	211.9	205.2	201.9
37.5°	218.4	211.6	201.0	193.1	189.8
40°	208.2	201.2	190.1	181.2	178.5
42.5°	197.5	190.3	178.7	170.4	165.9
45°	186.6	179.9	167.1	157.8	154.3
47.5°	175.2	168.3	155.5	146.0	142.0
50°	164.5	156.9	143.7	133.9	130.4
52.5°	152.9	145.1	132.7	122.1	118.6
55°	141.6	134.1	121.2	110.7	107.0
57.5°	130.0	122.1	109.6	99.3	96.1
60°	118.8	110.7	98.2	88.0	84.5
62.5°	107.0	99.3	86.6	77.3	73.8
65°	95.9	88.0	75.7	66.3	62.9
67.5°	84.7	76.8	65.0	56.2	53.4
70°	73.4	65.4	53.8	46.6	43.9
72.5°	62.2	54.5	43.9	37.4	35.8
75°	51.1	44.1	34.4	29.3	27.6
77.5°	39.7	34.1	26.0	22.1	20.7
80°	30.2	24.6	18.1	16.0	15.6
82.5°	20.9	16.0	12.1	11.3	11.2
85°	12.7	8.6	7.4	7.2	7.0
87.5°	5.4	3.7	3.5	3.5	3.2
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)