

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: P888095

Luminaire Tested: **DPT5-4F029-37S35-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: P888095
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: DPT5-4F029-37S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

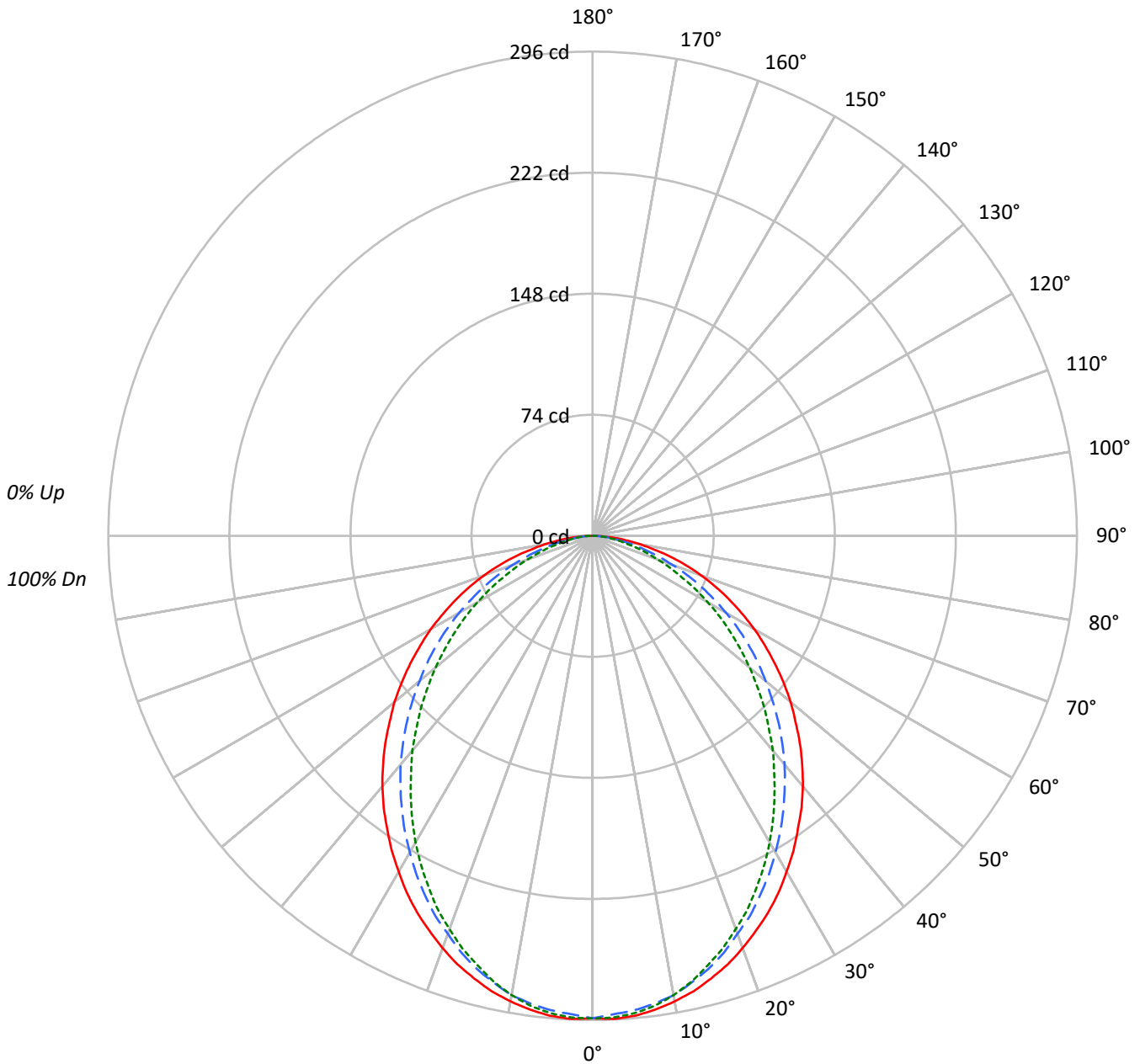
Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	3513	3513	3513
5°	3522	3481	3503
10°	3495	3449	3449
15°	3454	3378	3351
20°	3399	3281	3242
25°	3338	3185	3116
30°	3261	3074	2976
35°	3181	2957	2818
40°	3108	2837	2665
45°	3017	2702	2496
50°	2927	2555	2320
55°	2822	2415	2135
60°	2718	2244	1932
65°	2593	2049	1699
70°	2451	1800	1466
75°	2255	1519	1219
80°	1989	1193	1029
85°	1667	984	916



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	4.0
10°-20°	77.6	11.1
20°-30°	112.5	16.1
30°-40°	128.2	18.4
40°-50°	124.9	17.9
50°-60°	105.1	15.1
60°-70°	73.7	10.6
70°-80°	37.8	5.4
80°-90°	9.4	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°	217.9	31.3
0°-40°	346.0	49.6
0°-60°	576.1	82.7
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	295	295	295	295	295	
5°	295	294	291	293	293	28
15°	280	279	274	274	272	79
25°	254	251	242	240	237	117
35°	219	214	203	197	194	137
45°	179	173	160	152	148	138
55°	136	129	116	106	103	122
65°	92	84	73	64	60	91
75°	49	42	33	28	26	52
85°	12	8	7	7	7	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	295.0	295.0	295.0	295.0	295.0
2.5°	295.7	295.0	292.8	295.0	294.8
5°	294.6	293.7	291.2	293.4	293.0
7.5°	292.3	291.4	288.5	290.3	289.9
10°	289.0	288.3	285.2	285.9	285.2
12.5°	285.2	284.3	279.8	280.3	279.2
15°	280.1	278.7	274.0	273.8	271.8
17.5°	274.7	272.7	267.1	266.1	264.5
20°	268.2	266.1	258.9	257.8	255.8
22.5°	261.1	258.9	251.4	248.9	247.3
25°	254.0	250.6	242.4	239.5	237.1
27.5°	246.0	242.0	233.3	229.5	227.1
30°	237.1	232.9	223.5	218.4	216.4
32.5°	228.4	223.3	213.7	207.9	205.3
35°	218.8	213.5	203.4	197.0	193.8
37.5°	209.7	203.2	192.9	185.4	182.2
40°	199.9	193.2	182.5	174.0	171.4
42.5°	189.6	182.7	171.5	163.5	159.3
45°	179.1	172.7	160.4	151.5	148.2
47.5°	168.2	161.6	149.2	140.2	136.4
50°	158.0	150.6	137.9	128.6	125.2
52.5°	146.8	139.3	127.4	117.2	113.8
55°	135.9	128.8	116.3	106.3	102.8
57.5°	124.8	117.2	105.2	95.4	92.3
60°	114.1	106.3	94.2	84.4	81.1
62.5°	102.8	95.4	83.1	74.2	70.8
65°	92.0	84.4	72.7	63.7	60.3
67.5°	81.3	73.8	62.4	53.9	51.3
70°	70.4	62.8	51.7	44.8	42.1
72.5°	59.7	52.4	42.1	35.9	34.3
75°	49.0	42.3	33.0	28.1	26.5
77.5°	38.1	32.7	24.9	21.2	19.8
80°	29.0	23.6	17.4	15.4	15.0
82.5°	20.0	15.4	11.6	10.9	10.7
85°	12.2	8.2	7.2	6.9	6.7
87.5°	5.2	3.6	3.3	3.3	3.1
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)