

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: P888094

Luminaire Tested: **DPT5-4F029-37S30-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: P888094
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: DPT5-4F029-37S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

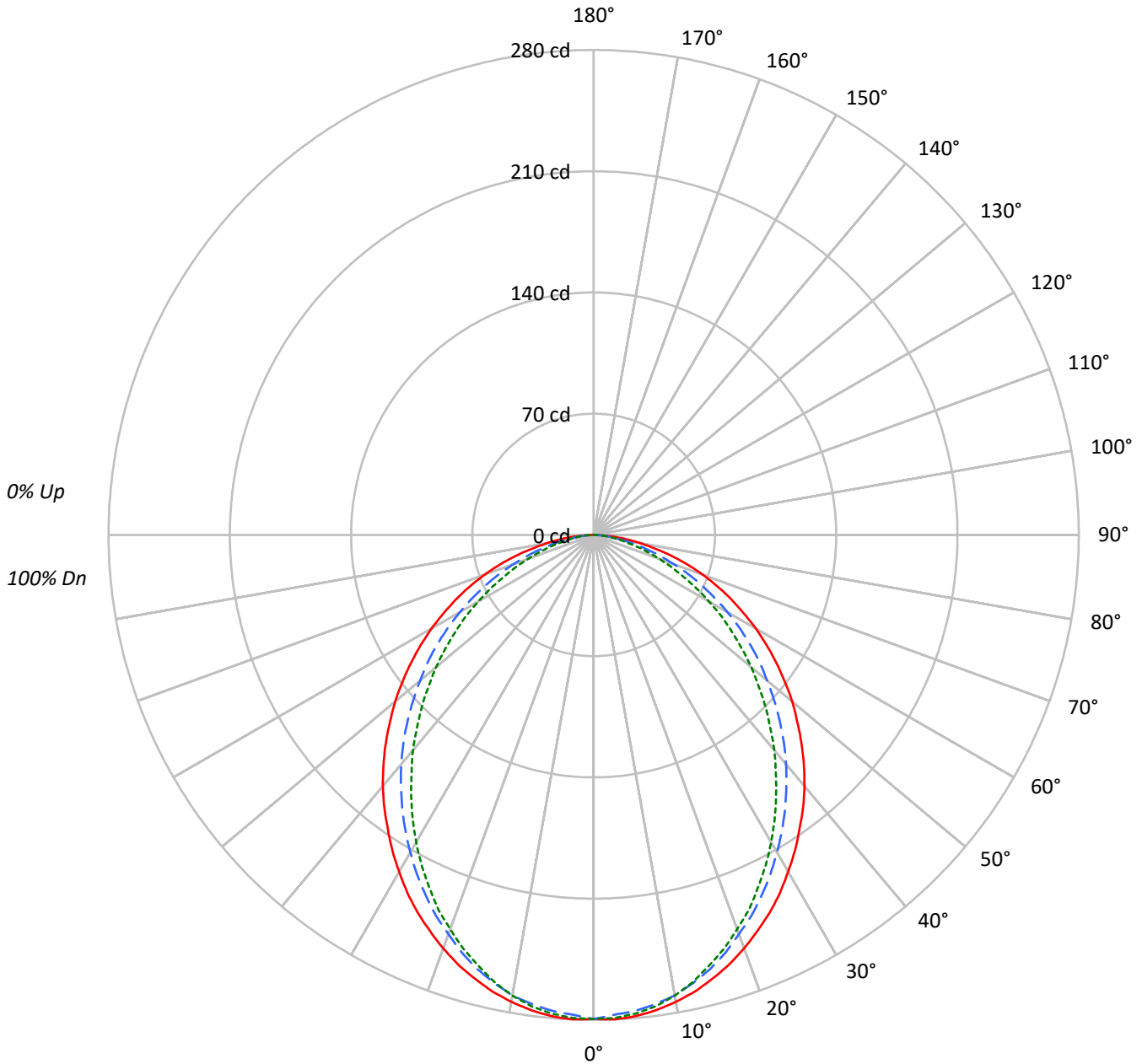
Lumens per Lamp: N/A
Luminaire Lumens: 660.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.31' x L: 0.39' x H: 0')
CIE Type: Direct

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°	3328	3328	3328
5°	3334	3297	3316
10°	3310	3265	3265
15°	3270	3200	3174
20°	3219	3108	3070
25°	3160	3016	2950
30°	3087	2910	2818
35°	3012	2800	2669
40°	2943	2687	2523
45°	2857	2558	2363
50°	2772	2420	2197
55°	2672	2288	2020
60°	2572	2125	1829
65°	2457	1939	1609
70°	2323	1703	1389
75°	2135	1436	1155
80°	1879	1132	974
85°	1585	929	861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	4.0
10°-20°	73.5	11.1
20°-30°	106.5	16.1
30°-40°	121.4	18.4
40°-50°	118.3	17.9
50°-60°	99.6	15.1
60°-70°	69.8	10.6
70°-80°	35.8	5.4
80°-90°	8.9	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°	206.3	31.3
0°-40°	327.7	49.6
0°-60°	545.6	82.7
0°-90°	660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	279	279	279	279	279	
5°	279	278	276	278	277	26
15°	265	264	260	259	257	75
25°	240	237	230	227	224	111
35°	207	202	193	186	184	130
45°	170	164	152	144	140	131
55°	129	122	110	101	97	115
65°	87	80	69	60	57	86
75°	46	40	31	27	25	49
85°	12	8	7	6	6	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	279.4	279.4	279.4	279.4	279.4
2.5°	280.0	279.4	277.3	279.4	279.1
5°	278.9	278.1	275.8	277.8	277.4
7.5°	276.8	276.0	273.2	274.9	274.5
10°	273.7	273.0	270.0	270.7	270.0
12.5°	270.0	269.2	265.0	265.4	264.4
15°	265.2	263.9	259.5	259.3	257.4
17.5°	260.1	258.3	252.9	251.9	250.4
20°	254.0	251.9	245.2	244.1	242.2
22.5°	247.3	245.2	238.0	235.7	234.2
25°	240.5	237.3	229.5	226.8	224.5
27.5°	232.9	229.1	220.9	217.3	215.0
30°	224.5	220.5	211.6	206.8	204.9
32.5°	216.2	211.4	202.3	196.9	194.4
35°	207.2	202.1	192.6	186.5	183.6
37.5°	198.5	192.4	182.7	175.6	172.6
40°	189.3	182.9	172.8	164.8	162.3
42.5°	179.5	173.0	162.4	154.9	150.8
45°	169.6	163.6	151.9	143.5	140.3
47.5°	159.3	153.0	141.3	132.7	129.1
50°	149.6	142.6	130.6	121.8	118.6
52.5°	139.0	131.9	120.7	111.0	107.8
55°	128.7	122.0	110.2	100.7	97.3
57.5°	118.2	111.0	99.6	90.3	87.4
60°	108.0	100.7	89.2	80.0	76.8
62.5°	97.3	90.3	78.7	70.3	67.1
65°	87.2	80.0	68.8	60.3	57.1
67.5°	77.0	69.9	59.1	51.1	48.6
70°	66.7	59.5	48.9	42.4	39.9
72.5°	56.6	49.6	39.9	34.0	32.5
75°	46.4	40.1	31.2	26.6	25.1
77.5°	36.0	31.0	23.6	20.1	18.8
80°	27.4	22.4	16.5	14.6	14.2
82.5°	19.0	14.6	11.0	10.3	10.1
85°	11.6	7.8	6.8	6.5	6.3
87.5°	4.9	3.4	3.2	3.2	2.9
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)