

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: P888369

Luminaire Tested: **DPT5-4F029-37S30-F-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: P888369
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-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

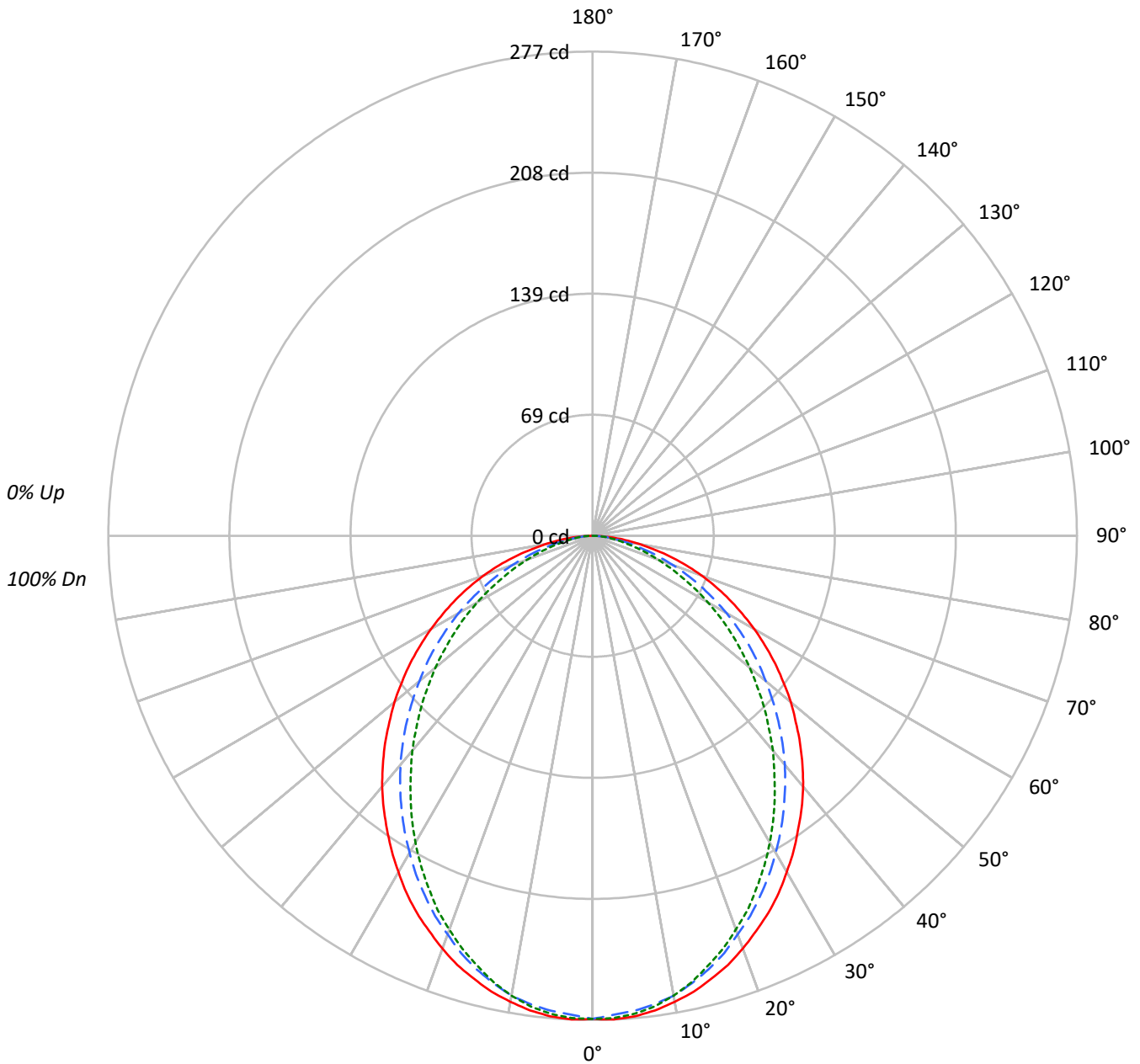
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 653.0 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.31' 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

TEST NUMBER: P888369
CATALOG NUMBER: DPT5-4F029-37S30-F-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888369

CATALOG NUMBER: DPT5-4F029-37S30-F-XX-UDD

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°	3292	3292	3292
5°	3300	3261	3282
10°	3274	3231	3231
15°	3235	3165	3140
20°	3185	3075	3038
25°	3128	2984	2919
30°	3054	2880	2788
35°	2980	2771	2640
40°	2912	2659	2495
45°	2826	2531	2338
50°	2742	2394	2173
55°	2645	2263	2000
60°	2546	2103	1810
65°	2429	1919	1592
70°	2298	1685	1375
75°	2112	1422	1146
80°	1859	1118	960
85°	1571	916	861



TEST NUMBER: P888369

CATALOG NUMBER: DPT5-4F029-37S30-F-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	4.0
10°-20°	72.7	11.1
20°-30°	105.4	16.1
30°-40°	120.1	18.4
40°-50°	117.0	17.9
50°-60°	98.5	15.1
60°-70°	69.0	10.6
70°-80°	35.4	5.4
80°-90°	8.8	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°	204.1	31.3
0°-40°	324.2	49.6
0°-60°	539.8	82.7
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	276	276	276	276	276	
5°	276	275	273	275	274	26
15°	262	261	257	256	255	74
25°	238	235	227	224	222	110
35°	205	200	191	185	182	128
45°	168	162	150	142	139	129
55°	127	121	109	100	96	114
65°	86	79	68	60	56	85
75°	46	40	31	26	25	49
85°	12	8	7	6	6	13
90°	0	0	0	0	0	



TEST NUMBER: P888369

CATALOG NUMBER: DPT5-4F029-37S30-F-XX-UDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	276.4	276.4	276.4	276.4	276.4
2.5°	277.0	276.4	274.3	276.4	276.2
5°	276.0	275.2	272.8	274.9	274.5
7.5°	273.9	273.0	270.3	272.0	271.6
10°	270.7	270.1	267.2	267.8	267.2
12.5°	267.2	266.3	262.2	262.6	261.6
15°	262.4	261.1	256.7	256.5	254.7
17.5°	257.4	255.5	250.3	249.3	247.8
20°	251.3	249.3	242.6	241.5	239.7
22.5°	244.6	242.6	235.5	233.2	231.7
25°	238.0	234.8	227.1	224.4	222.1
27.5°	230.5	226.7	218.6	215.0	212.7
30°	222.1	218.2	209.4	204.6	202.7
32.5°	213.9	209.2	200.2	194.8	192.3
35°	205.0	200.0	190.6	184.6	181.6
37.5°	196.4	190.4	180.8	173.7	170.7
40°	187.3	181.0	171.0	163.0	160.5
42.5°	177.6	171.2	160.7	153.2	149.2
45°	167.8	161.8	150.3	142.0	138.8
47.5°	157.6	151.4	139.8	131.3	127.7
50°	148.0	141.1	129.2	120.5	117.3
52.5°	137.5	130.5	119.4	109.8	106.6
55°	127.4	120.7	109.0	99.6	96.3
57.5°	116.9	109.8	98.5	89.3	86.4
60°	106.9	99.6	88.3	79.1	76.0
62.5°	96.3	89.3	77.9	69.5	66.4
65°	86.2	79.1	68.1	59.7	56.5
67.5°	76.2	69.1	58.4	50.5	48.1
70°	66.0	58.9	48.4	41.9	39.5
72.5°	56.0	49.1	39.5	33.6	32.2
75°	45.9	39.7	30.9	26.3	24.9
77.5°	35.7	30.7	23.3	19.9	18.6
80°	27.1	22.1	16.3	14.4	14.0
82.5°	18.8	14.4	10.9	10.2	10.0
85°	11.5	7.7	6.7	6.5	6.3
87.5°	4.8	3.3	3.1	3.1	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)