

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: P888028

Luminaire Tested: **DPT5-4F021-127S30-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: P888028
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: DPT5-4F021-127S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

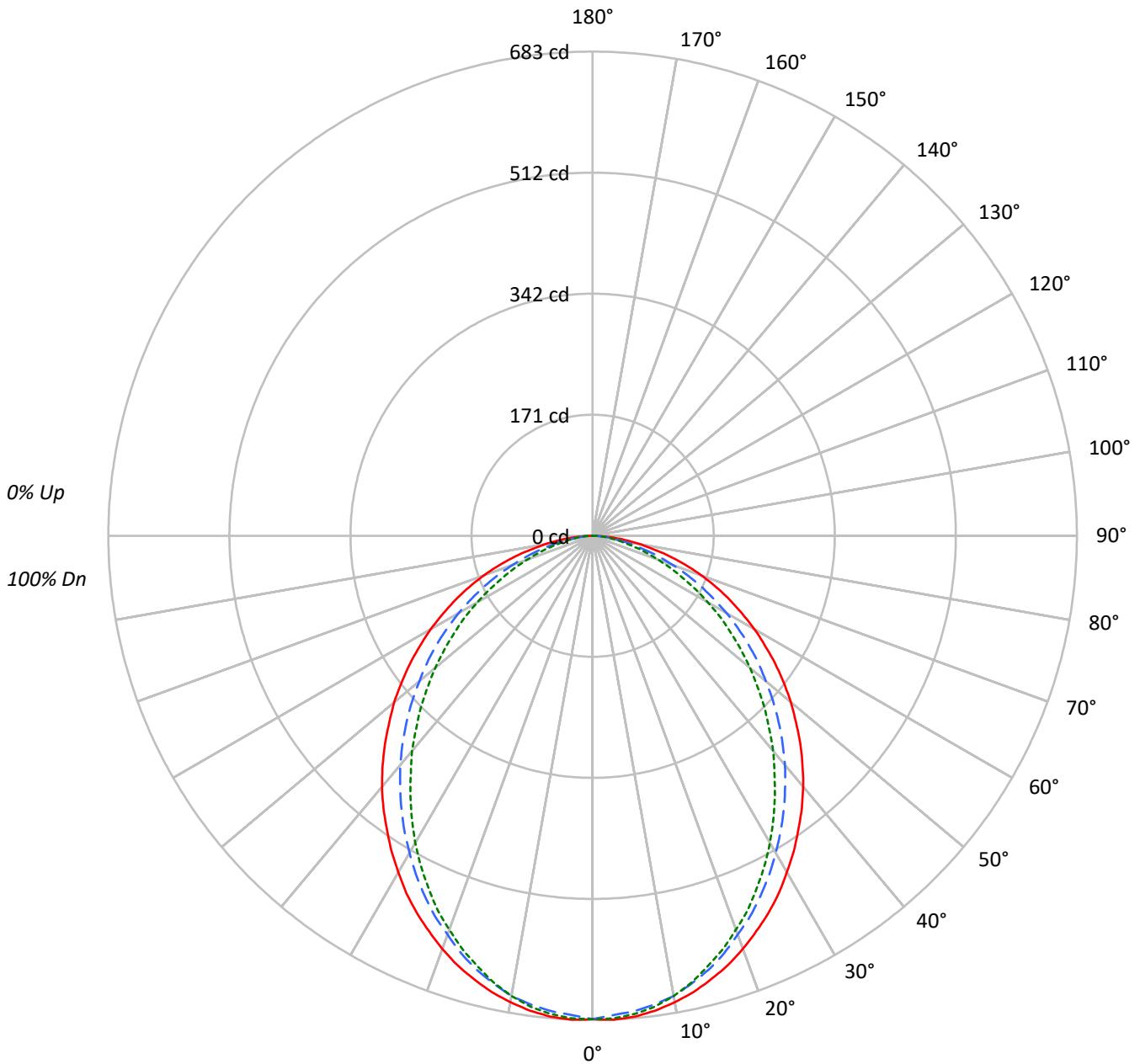
Lumens per Lamp: N/A
Luminaire Lumens: 1611.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 1.65' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 17
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: P888028

CATALOG NUMBER: DPT5-4F021-127S30-A-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888028

CATALOG NUMBER: DPT5-4F021-127S30-A-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°	11411	11411	11411
5°	11438	11307	11374
10°	11351	11201	11201
15°	11216	10973	10885
20°	11041	10656	10528
25°	10838	10345	10118
30°	10589	9980	9663
35°	10331	9605	9152
40°	10092	9214	8653
45°	9797	8775	8105
50°	9505	8299	7537
55°	9167	7845	6929
60°	8825	7289	6272
65°	8422	6648	5524
70°	7965	5842	4761
75°	7325	4927	3963
80°	6457	3874	3334
85°	5434	3168	2976



TEST NUMBER: P888028

CATALOG NUMBER: DPT5-4F021-127S30-A-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	4.0
10°-20°	179.3	11.1
20°-30°	260.0	16.1
30°-40°	296.3	18.4
40°-50°	288.8	17.9
50°-60°	243.0	15.1
60°-70°	170.3	10.6
70°-80°	87.3	5.4
80°-90°	21.8	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°	503.6	31.3
0°-40°	799.8	49.6
0°-60°	1331.6	82.7
0°-90°	1611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	681	679	673	678	677	65
15°	647	644	633	633	628	183
25°	587	579	560	554	548	270
35°	506	493	470	455	448	317
45°	414	399	371	350	342	319
55°	314	298	269	246	238	281
65°	213	195	168	147	140	211
75°	113	98	76	65	61	120
85°	28	19	16	16	16	33
90°	0	0	0	0	0	



TEST NUMBER: P888028

CATALOG NUMBER: DPT5-4F021-127S30-A-XX-UDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	681.9	681.9	681.9	681.9	681.9
2.5°	683.4	681.9	676.7	681.9	681.3
5°	680.9	678.8	673.1	678.2	677.1
7.5°	675.7	673.6	666.9	671.0	670.1
10°	668.0	666.4	659.2	660.8	659.2
12.5°	659.2	657.1	646.7	647.8	645.3
15°	647.4	644.3	633.4	632.9	628.3
17.5°	635.0	630.4	617.4	614.9	611.3
20°	620.0	614.9	598.4	595.8	591.2
22.5°	603.6	598.4	581.0	575.3	571.6
25°	587.0	579.3	560.3	553.6	548.0
27.5°	568.6	559.2	539.2	530.5	524.8
30°	548.0	538.2	516.5	504.8	500.1
32.5°	527.8	516.1	493.9	480.5	474.4
35°	505.7	493.4	470.2	455.3	448.0
37.5°	484.6	469.6	445.9	428.6	421.2
40°	462.0	446.5	421.8	402.2	396.1
42.5°	438.2	422.2	396.5	378.0	368.2
45°	414.0	399.2	370.8	350.2	342.5
47.5°	388.7	373.4	345.0	323.9	315.2
50°	365.1	348.1	318.8	297.2	289.5
52.5°	339.3	321.9	294.5	270.8	263.1
55°	314.2	297.7	268.9	245.7	237.5
57.5°	288.4	270.8	243.1	220.4	213.2
60°	263.7	245.7	217.8	195.2	187.4
62.5°	237.5	220.4	192.1	171.5	163.7
65°	212.7	195.2	167.9	147.2	139.5
67.5°	187.9	170.5	144.2	124.7	118.6
70°	162.8	145.2	119.4	103.5	97.3
72.5°	138.0	121.0	97.3	82.9	79.4
75°	113.3	97.8	76.2	65.0	61.3
77.5°	88.0	75.7	57.6	49.0	45.9
80°	67.0	54.6	40.2	35.5	34.6
82.5°	46.3	35.5	26.8	25.1	24.7
85°	28.3	19.0	16.5	16.0	15.5
87.5°	11.9	8.2	7.7	7.7	7.2
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)