

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: P888029

Luminaire Tested: **DPT5-4F021-127S35-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: P888029
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: DPT5-4F021-127S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

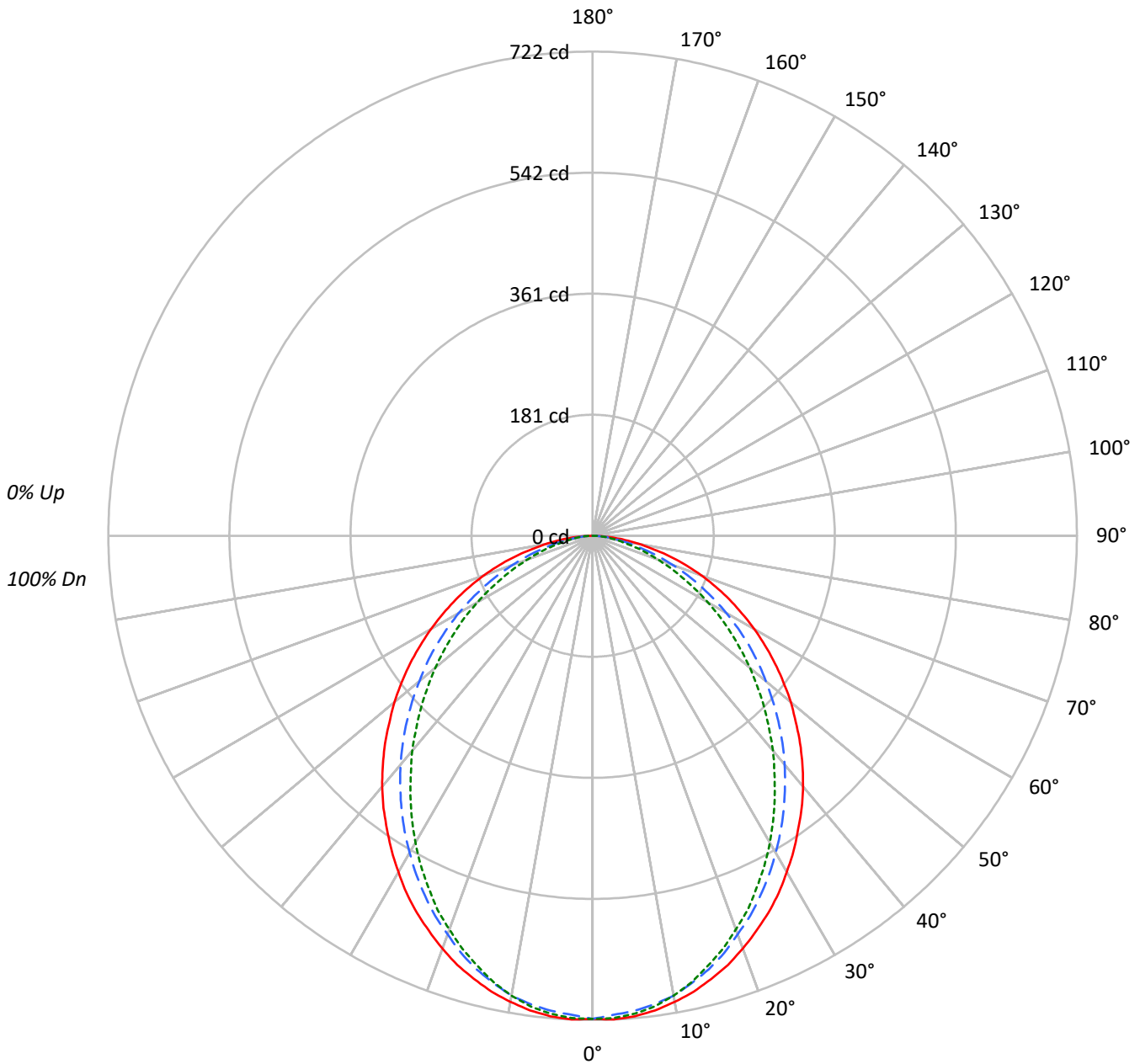
Lumens per Lamp: N/A
Luminaire Lumens: 1702.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 1.65' x L: 0.39' x H: 0')
CIE Type: Direct

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

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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°	12055	12055	12055
5°	12083	11945	12017
10°	11991	11833	11833
15°	11850	11593	11500
20°	11664	11258	11123
25°	11451	10929	10689
30°	11186	10544	10210
35°	10915	10149	9671
40°	10662	9734	9140
45°	10351	9270	8562
50°	10041	8768	7961
55°	9686	8288	7320
60°	9324	7701	6627
65°	8901	7024	5836
70°	8415	6174	5030
75°	7739	5205	4190
80°	6823	4096	3517
85°	5741	3360	3149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	4.0
10°-20°	189.5	11.1
20°-30°	274.7	16.1
30°-40°	313.0	18.4
40°-50°	305.1	17.9
50°-60°	256.8	15.1
60°-70°	179.9	10.6
70°-80°	92.2	5.4
80°-90°	23.0	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°	532.0	31.3
0°-40°	845.0	49.6
0°-60°	1406.8	82.7
0°-90°	1702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	719	717	711	716	715	68
15°	684	681	669	669	664	193
25°	620	612	592	585	579	285
35°	534	521	497	481	473	335
45°	437	422	392	370	362	337
55°	332	314	284	260	251	297
65°	225	206	177	156	147	223
75°	120	103	80	69	65	127
85°	30	20	18	17	16	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	720.4	720.4	720.4	720.4	720.4
2.5°	722.0	720.4	715.0	720.4	719.8
5°	719.3	717.2	711.1	716.5	715.4
7.5°	713.9	711.6	704.6	708.9	707.9
10°	705.7	704.1	696.4	698.1	696.4
12.5°	696.4	694.2	683.3	684.4	681.8
15°	684.0	680.7	669.2	668.6	663.8
17.5°	670.9	666.0	652.3	649.7	645.8
20°	655.0	649.7	632.2	629.5	624.6
22.5°	637.7	632.2	613.8	607.8	603.9
25°	620.2	612.0	591.9	584.9	578.9
27.5°	600.7	590.8	569.6	560.5	554.5
30°	578.9	568.6	545.7	533.3	528.4
32.5°	557.6	545.2	521.8	507.7	501.2
35°	534.3	521.3	496.8	481.0	473.4
37.5°	512.0	496.2	471.1	452.8	445.0
40°	488.1	471.7	445.6	424.9	418.4
42.5°	463.0	446.1	418.9	399.4	389.0
45°	437.4	421.8	391.7	370.0	361.8
47.5°	410.7	394.5	364.5	342.2	333.0
50°	385.7	367.8	336.8	314.0	305.8
52.5°	358.5	340.1	311.2	286.1	278.0
55°	332.0	314.5	284.1	259.6	250.9
57.5°	304.7	286.1	256.9	232.8	225.3
60°	278.6	259.6	230.1	206.2	198.0
62.5°	250.9	232.8	203.0	181.2	173.0
65°	224.8	206.2	177.4	155.5	147.4
67.5°	198.5	180.2	152.3	131.7	125.3
70°	172.0	153.4	126.2	109.3	102.8
72.5°	145.8	127.9	102.8	87.6	83.9
75°	119.7	103.4	80.5	68.6	64.8
77.5°	93.0	79.9	60.9	51.8	48.4
80°	70.8	57.7	42.5	37.5	36.5
82.5°	48.9	37.5	28.4	26.5	26.1
85°	29.9	20.1	17.5	16.9	16.4
87.5°	12.6	8.7	8.2	8.2	7.6
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)