

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: P888083

Luminaire Tested: **DPT5-4F029-127S30-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: P888083
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: DPT5-4F029-127S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

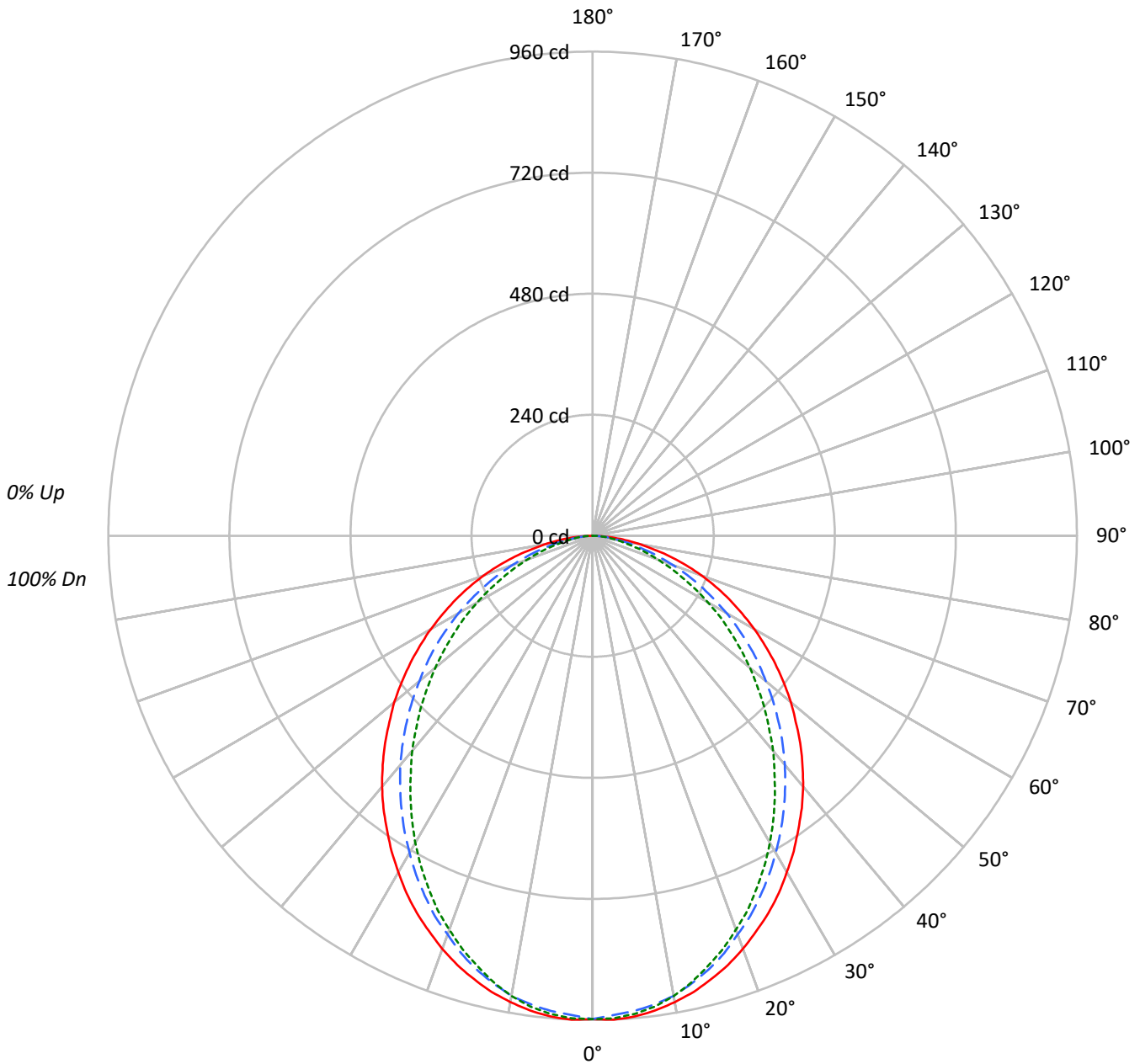
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2264.0 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): 24
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°	11413	11413	11413
5°	11439	11310	11376
10°	11352	11203	11203
15°	11218	10975	10887
20°	11043	10659	10531
25°	10841	10347	10120
30°	10590	9983	9665
35°	10333	9607	9155
40°	10095	9215	8653
45°	9801	8775	8106
50°	9507	8301	7537
55°	9169	7847	6931
60°	8825	7291	6274
65°	8426	6651	5523
70°	7967	5843	4764
75°	7326	4928	3967
80°	6454	3875	3333
85°	5425	3170	2965



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	4.0
10°-20°	252.0	11.1
20°-30°	365.4	16.1
30°-40°	416.4	18.4
40°-50°	405.8	17.9
50°-60°	341.5	15.1
60°-70°	239.3	10.6
70°-80°	122.7	5.4
80°-90°	30.6	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°	707.7	31.3
0°-40°	1124.0	49.6
0°-60°	1871.4	82.7
0°-90°	2264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	957	954	946	953	952	91
15°	910	905	890	889	883	257
25°	825	814	787	778	770	380
35°	711	693	661	640	630	445
45°	582	561	521	492	481	449
55°	442	418	378	345	334	395
65°	299	274	236	207	196	296
75°	159	138	107	91	86	168
85°	40	27	23	22	22	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.3	958.3	958.3	958.3	958.3
2.5°	960.5	958.3	951.1	958.3	957.5
5°	956.8	954.0	946.0	953.1	951.6
7.5°	949.6	946.6	937.2	943.0	941.7
10°	938.7	936.6	926.4	928.6	926.4
12.5°	926.4	923.4	908.9	910.4	906.9
15°	909.8	905.4	890.1	889.4	883.0
17.5°	892.4	885.9	867.7	864.2	859.1
20°	871.3	864.2	841.0	837.3	830.9
22.5°	848.2	841.0	816.5	808.5	803.2
25°	825.0	814.1	787.4	778.0	770.1
27.5°	799.1	785.9	757.7	745.5	737.6
30°	770.1	756.4	725.9	709.4	702.8
32.5°	741.8	725.2	694.1	675.3	666.7
35°	710.7	693.4	660.8	639.9	629.7
37.5°	681.1	660.0	626.7	602.3	591.9
40°	649.3	627.5	592.7	565.2	556.6
42.5°	615.8	593.4	557.2	531.2	517.4
45°	581.9	561.0	521.0	492.2	481.3
47.5°	546.3	524.8	484.8	455.3	442.9
50°	513.1	489.2	448.0	417.7	406.8
52.5°	476.9	452.4	413.9	380.6	369.7
55°	441.6	418.3	377.9	345.3	333.8
57.5°	405.3	380.6	341.7	309.7	299.7
60°	370.5	345.3	306.1	274.3	263.4
62.5°	333.8	309.7	270.0	241.0	230.1
65°	299.0	274.3	236.0	206.9	196.0
67.5°	264.1	239.6	202.6	175.2	166.6
70°	228.8	204.1	167.8	145.4	136.8
72.5°	194.0	170.1	136.8	116.5	111.6
75°	159.2	137.5	107.1	91.3	86.2
77.5°	123.6	106.3	81.0	68.9	64.4
80°	94.1	76.8	56.5	49.9	48.6
82.5°	65.1	49.9	37.7	35.3	34.8
85°	39.7	26.7	23.2	22.4	21.7
87.5°	16.8	11.5	10.9	10.9	10.1
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)