

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: P888326

Luminaire Tested: **DPT5-4F021-61S35-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: P888326
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: DPT5-4F021-61S35-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

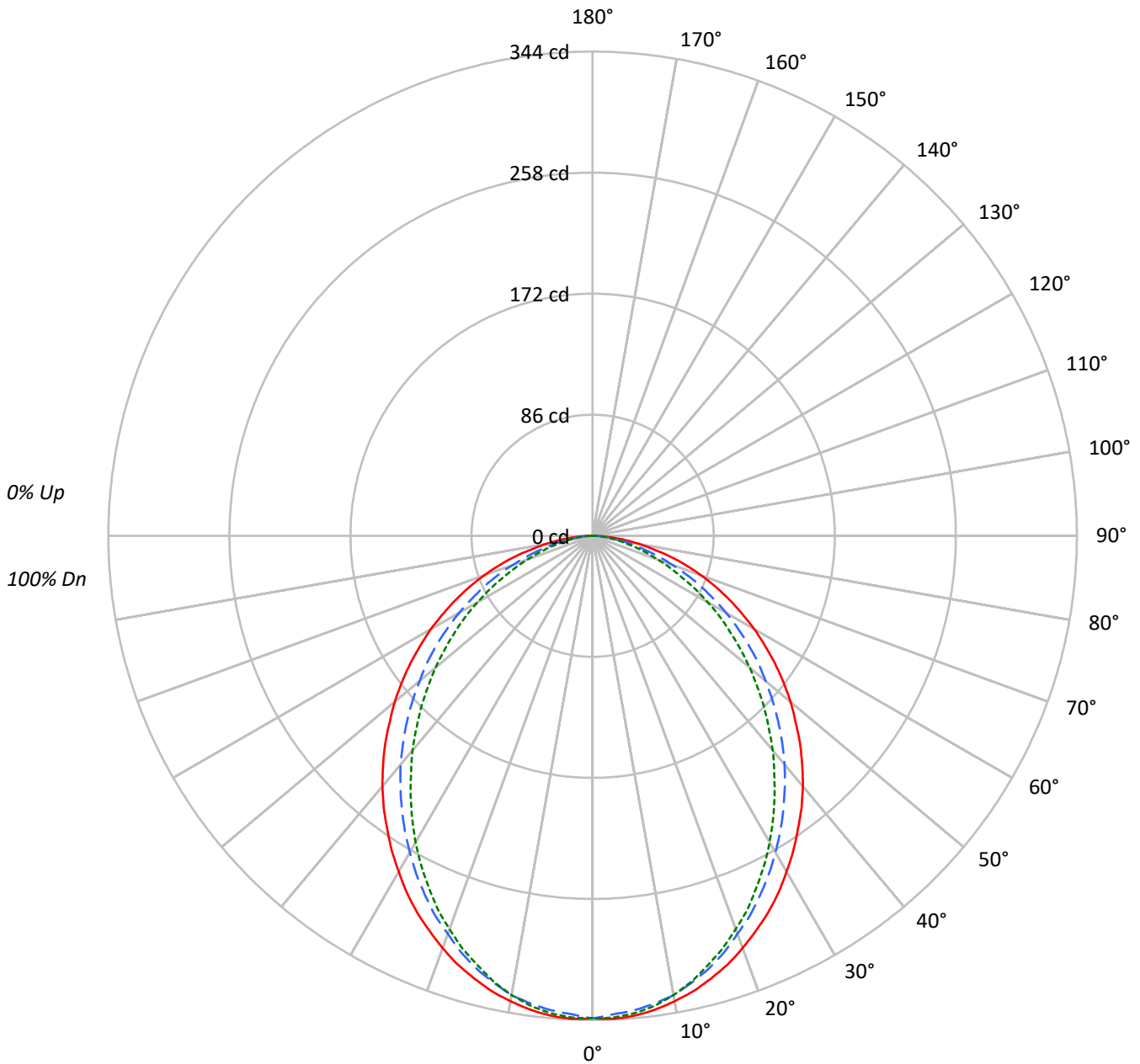
Lumens per Lamp: N/A
Luminaire Lumens: 810.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 1.65' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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				20				
RC	80				70				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			100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72			72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61			61
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53			53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41			41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36			36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33			33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29			29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27			27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5738	5738	5738
5°	5750	5684	5720
10°	5706	5631	5631
15°	5639	5518	5473
20°	5551	5358	5294
25°	5450	5201	5087
30°	5323	5018	4860
35°	5195	4829	4602
40°	5074	4633	4349
45°	4927	4411	4075
50°	4780	4173	3788
55°	4610	3944	3483
60°	4438	3665	3153
65°	4237	3342	2776
70°	4002	2936	2392
75°	3685	2476	1991
80°	3248	1947	1677
85°	2726	1594	1498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	4.0
10°-20°	90.2	11.1
20°-30°	130.7	16.1
30°-40°	149.0	18.4
40°-50°	145.2	17.9
50°-60°	122.2	15.1
60°-70°	85.6	10.6
70°-80°	43.9	5.4
80°-90°	11.0	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°	253.2	31.3
0°-40°	402.2	49.6
0°-60°	669.5	82.7
0°-90°	810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	810.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	343	343	343	343	343	
5°	342	341	338	341	340	32
15°	326	324	318	318	316	92
25°	295	291	282	278	276	136
35°	254	248	236	229	225	159
45°	208	201	186	176	172	161
55°	158	150	135	124	119	141
65°	107	98	84	74	70	106
75°	57	49	38	33	31	60
85°	14	10	8	8	8	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	342.9	342.9	342.9	342.9	342.9
2.5°	343.6	342.9	340.3	342.9	342.6
5°	342.3	341.3	338.4	341.0	340.5
7.5°	339.7	338.7	335.3	337.4	336.9
10°	335.8	335.1	331.4	332.2	331.4
12.5°	331.4	330.4	325.2	325.7	324.5
15°	325.5	323.9	318.5	318.2	315.9
17.5°	319.3	317.0	310.4	309.2	307.4
20°	311.7	309.2	300.9	299.6	297.3
22.5°	303.5	300.9	292.1	289.3	287.4
25°	295.2	291.3	281.7	278.3	275.5
27.5°	285.9	281.2	271.1	266.7	263.9
30°	275.5	270.6	259.7	253.8	251.5
32.5°	265.4	259.5	248.3	241.6	238.5
35°	254.3	248.1	236.4	228.9	225.3
37.5°	243.7	236.1	224.2	215.5	211.8
40°	232.3	224.5	212.1	202.2	199.1
42.5°	220.3	212.3	199.3	190.1	185.1
45°	208.2	200.7	186.4	176.1	172.2
47.5°	195.4	187.8	173.4	162.9	158.5
50°	183.6	175.0	160.3	149.4	145.5
52.5°	170.6	161.9	148.1	136.2	132.3
55°	158.0	149.7	135.2	123.5	119.4
57.5°	145.0	136.2	122.2	110.8	107.2
60°	132.6	123.5	109.5	98.1	94.2
62.5°	119.4	110.8	96.6	86.2	82.3
65°	107.0	98.1	84.4	74.0	70.1
67.5°	94.5	85.7	72.5	62.7	59.6
70°	81.8	73.0	60.0	52.0	48.9
72.5°	69.4	60.9	48.9	41.7	39.9
75°	57.0	49.2	38.3	32.7	30.8
77.5°	44.2	38.0	29.0	24.6	23.1
80°	33.7	27.5	20.2	17.9	17.4
82.5°	23.3	17.9	13.5	12.6	12.4
85°	14.2	9.6	8.3	8.0	7.8
87.5°	6.0	4.1	3.9	3.9	3.6
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)