

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: P888315

Luminaire Tested: **DPT5-4F021-37S35-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: P888315
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: DPT5-4F021-37S35-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

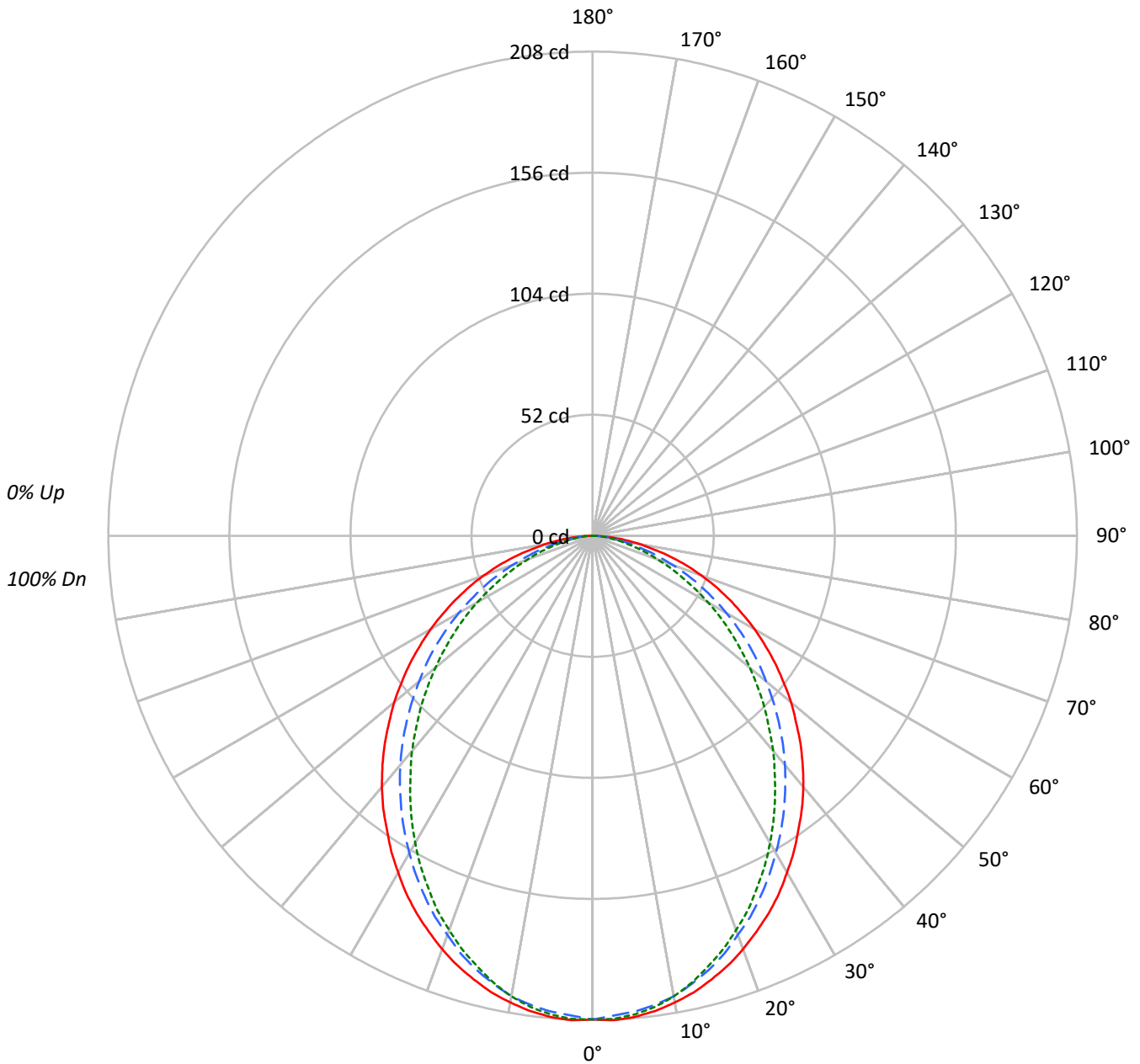
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 491.0 lumens
Efficiency: N/A
Efficacy: 98.2 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): 5
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°	3477	3477	3477
5°	3486	3447	3467
10°	3460	3414	3414
15°	3418	3344	3318
20°	3366	3248	3209
25°	3303	3154	3083
30°	3227	3041	2945
35°	3148	2927	2790
40°	3076	2807	2637
45°	2987	2674	2471
50°	2897	2530	2296
55°	2795	2392	2112
60°	2691	2222	1911
65°	2566	2027	1683
70°	2427	1781	1453
75°	2231	1500	1209
80°	1966	1185	1012
85°	1651	960	902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	4.0
10°-20°	54.7	11.1
20°-30°	79.3	16.1
30°-40°	90.3	18.4
40°-50°	88.0	17.9
50°-60°	74.1	15.1
60°-70°	51.9	10.6
70°-80°	26.6	5.4
80°-90°	6.6	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°	153.5	31.3
0°-40°	243.8	49.6
0°-60°	405.8	82.7
0°-90°	491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	208	208	208	208	208	
5°	208	207	205	207	206	20
15°	197	196	193	193	192	56
25°	179	177	171	169	167	82
35°	154	150	143	139	137	97
45°	126	122	113	107	104	97
55°	96	91	82	75	72	86
65°	65	60	51	45	42	64
75°	34	30	23	20	19	36
85°	9	6	5	5	5	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	207.8	207.8	207.8	207.8	207.8
2.5°	208.3	207.8	206.3	207.8	207.7
5°	207.5	206.9	205.2	206.7	206.4
7.5°	205.9	205.3	203.3	204.5	204.2
10°	203.6	203.1	200.9	201.4	200.9
12.5°	200.9	200.3	197.1	197.4	196.7
15°	197.3	196.4	193.0	192.9	191.5
17.5°	193.5	192.1	188.2	187.4	186.3
20°	189.0	187.4	182.4	181.6	180.2
22.5°	184.0	182.4	177.1	175.3	174.2
25°	178.9	176.6	170.8	168.7	167.0
27.5°	173.3	170.4	164.3	161.7	160.0
30°	167.0	164.0	157.4	153.8	152.4
32.5°	160.9	157.3	150.5	146.5	144.6
35°	154.1	150.4	143.3	138.8	136.6
37.5°	147.7	143.1	135.9	130.6	128.4
40°	140.8	136.1	128.5	122.6	120.7
42.5°	133.6	128.7	120.8	115.2	112.2
45°	126.2	121.7	113.0	106.7	104.4
47.5°	118.5	113.8	105.1	98.7	96.1
50°	111.3	106.1	97.2	90.6	88.2
52.5°	103.4	98.1	89.8	82.5	80.2
55°	95.8	90.7	82.0	74.9	72.4
57.5°	87.9	82.5	74.1	67.2	65.0
60°	80.4	74.9	66.4	59.5	57.1
62.5°	72.4	67.2	58.6	52.3	49.9
65°	64.8	59.5	51.2	44.9	42.5
67.5°	57.3	52.0	43.9	38.0	36.1
70°	49.6	44.3	36.4	31.5	29.7
72.5°	42.1	36.9	29.7	25.3	24.2
75°	34.5	29.8	23.2	19.8	18.7
77.5°	26.8	23.1	17.6	14.9	14.0
80°	20.4	16.7	12.3	10.8	10.5
82.5°	14.1	10.8	8.2	7.7	7.5
85°	8.6	5.8	5.0	4.9	4.7
87.5°	3.6	2.5	2.4	2.4	2.2
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)