

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: P888303

Luminaire Tested: **DPT5-4F021-127S30-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: P888303
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-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

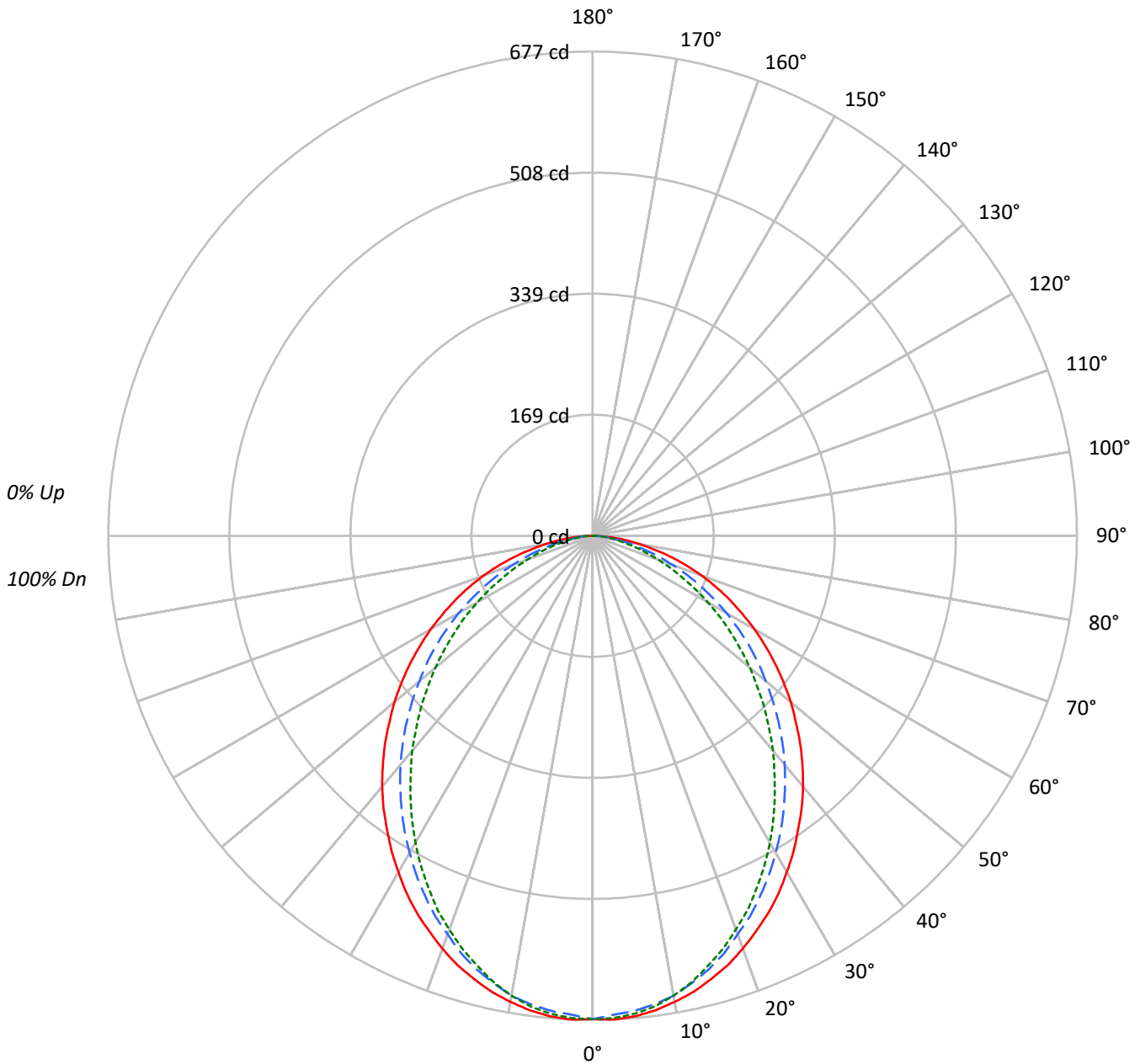
Lumens per Lamp: N/A
Luminaire Lumens: 1596.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 1.65' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	11305	11305	11305
5°	11330	11201	11268
10°	11244	11096	11096
15°	11112	10871	10784
20°	10937	10556	10430
25°	10738	10249	10024
30°	10490	9887	9574
35°	10234	9515	9068
40°	9998	9127	8572
45°	9707	8692	8030
50°	9416	8221	7466
55°	9082	7772	6865
60°	8742	7222	6215
65°	8347	6589	5472
70°	7892	5788	4716
75°	7254	4881	3931
80°	6389	3835	3305
85°	5376	3149	2938



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	4.0
10°-20°	177.7	11.1
20°-30°	257.6	16.1
30°-40°	293.5	18.4
40°-50°	286.1	17.9
50°-60°	240.8	15.1
60°-70°	168.7	10.6
70°-80°	86.5	5.4
80°-90°	21.6	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°	498.9	31.3
0°-40°	792.4	49.6
0°-60°	1319.2	82.7
0°-90°	1596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	674	672	667	672	671	64
15°	641	638	628	627	622	181
25°	582	574	555	548	543	268
35°	501	489	466	451	444	314
45°	410	396	367	347	339	316
55°	311	295	266	243	235	278
65°	211	193	166	146	138	209
75°	112	97	76	64	61	119
85°	28	19	16	16	15	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	675.6	675.6	675.6	675.6	675.6
2.5°	677.1	675.6	670.4	675.6	675.0
5°	674.5	672.5	666.8	671.9	670.8
7.5°	669.4	667.3	660.7	664.8	663.8
10°	661.7	660.2	653.0	654.6	653.0
12.5°	653.0	650.9	640.7	641.8	639.3
15°	641.4	638.3	627.5	627.0	622.5
17.5°	629.1	624.5	611.7	609.2	605.6
20°	614.2	609.2	592.8	590.3	585.7
22.5°	597.9	592.8	575.6	569.9	566.2
25°	581.6	573.9	555.1	548.5	542.9
27.5°	563.3	554.0	534.2	525.5	520.0
30°	542.9	533.2	511.7	500.1	495.5
32.5°	522.9	511.3	489.3	476.0	470.0
35°	501.0	488.8	465.8	451.1	443.9
37.5°	480.1	465.3	441.8	424.6	417.3
40°	457.7	442.4	417.8	398.4	392.4
42.5°	434.1	418.3	392.8	374.5	364.8
45°	410.2	395.5	367.3	347.0	339.3
47.5°	385.1	370.0	341.8	320.9	312.2
50°	361.7	344.9	315.8	294.4	286.8
52.5°	336.2	318.9	291.8	268.3	260.6
55°	311.3	294.9	266.4	243.4	235.3
57.5°	285.7	268.3	240.9	218.3	211.2
60°	261.2	243.4	215.8	193.4	185.7
62.5°	235.3	218.3	190.3	169.9	162.2
65°	210.8	193.4	166.4	145.8	138.2
67.5°	186.2	168.9	142.8	123.5	117.5
70°	161.3	143.9	118.3	102.5	96.4
72.5°	136.8	119.9	96.4	82.1	78.6
75°	112.2	96.9	75.5	64.4	60.8
77.5°	87.2	75.0	57.1	48.6	45.4
80°	66.3	54.1	39.8	35.2	34.3
82.5°	45.9	35.2	26.6	24.9	24.5
85°	28.0	18.8	16.4	15.8	15.3
87.5°	11.8	8.1	7.7	7.7	7.1
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)