

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: CORELITE

Report Number: P505853

Luminaire Tested: **14PD-25-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PR1-L950
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

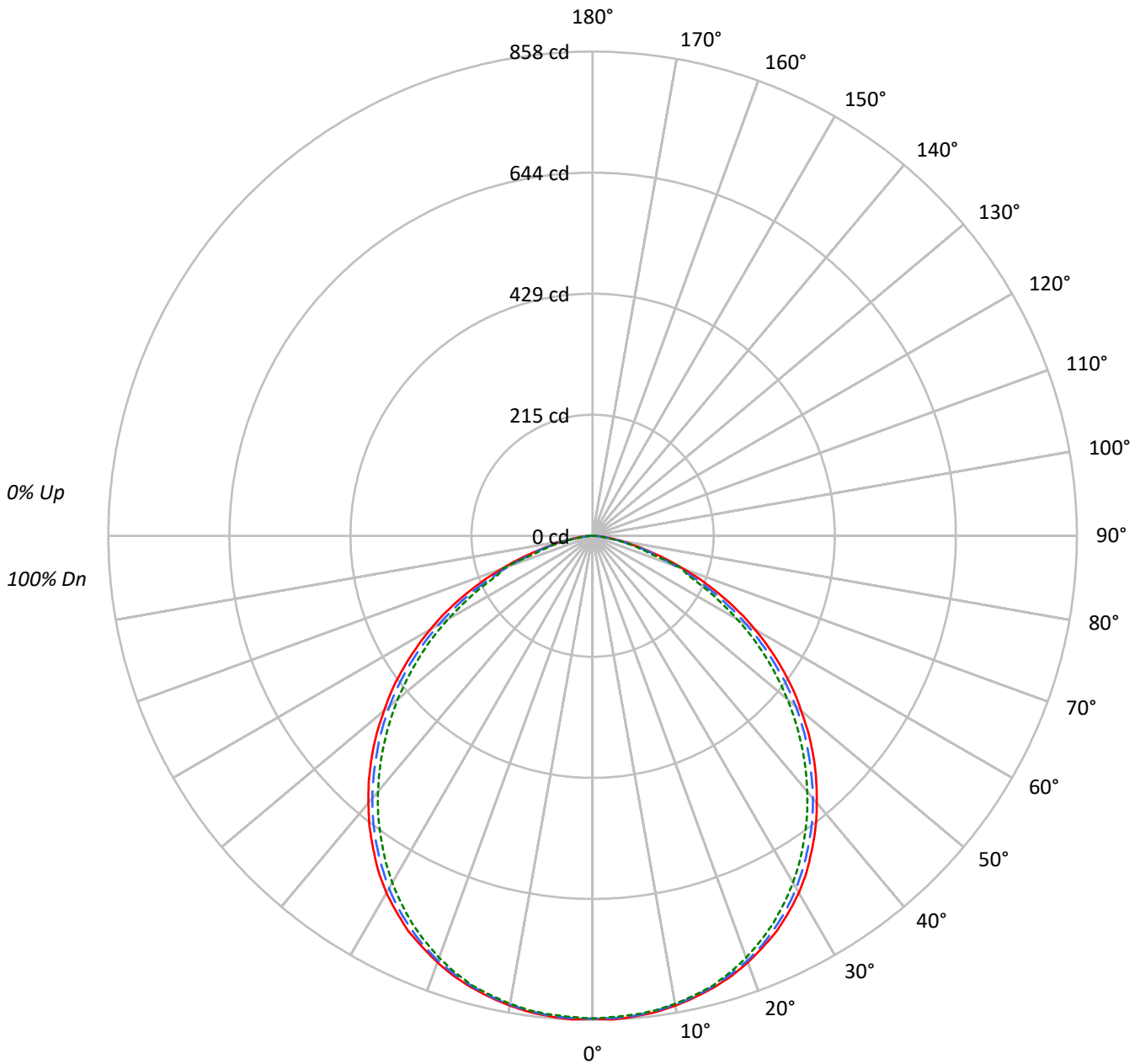
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2202.1 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	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	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2302	2302	2302
5°	2310	2307	2301
10°	2310	2306	2301
15°	2309	2302	2298
20°	2304	2295	2278
25°	2294	2274	2249
30°	2270	2241	2206
35°	2226	2193	2148
40°	2171	2133	2078
45°	2106	2055	1990
50°	2019	1966	1886
55°	1921	1845	1757
60°	1788	1695	1590
65°	1606	1493	1395
70°	1350	1231	1330
75°	1040	1000	899
80°	748	669	637
85°	457	392	352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	3.7
10°-20°	233.0	10.6
20°-30°	352.0	16.0
30°-40°	416.4	18.9
40°-50°	415.2	18.9
50°-60°	350.7	15.9
60°-70°	233.7	10.6
70°-80°	101.5	4.6
80°-90°	18.4	0.8
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°	666.1	30.2
0°-40°	1082.5	49.2
0°-60°	1848.4	83.9
0°-90°	2202.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2202.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	855	852	854	853	852	81
15°	829	825	826	825	825	234
25°	773	768	766	759	757	356
35°	678	673	668	659	654	424
45°	554	548	540	528	523	426
55°	409	406	393	381	375	366
65°	252	249	234	224	219	249
75°	100	98	96	93	86	109
85°	15	15	13	12	11	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.6	855.6	855.6	855.6	855.6
2.5°	857.8	853.9	855.6	855.6	853.5
5°	855.2	851.8	853.9	853.1	851.8
7.5°	851.4	848.0	849.3	848.9	848.4
10°	845.5	842.1	843.8	842.9	842.1
12.5°	837.8	834.4	836.1	834.9	834.0
15°	828.9	825.1	826.4	825.1	824.7
17.5°	817.9	814.1	814.5	812.8	811.1
20°	804.4	801.0	801.4	797.2	795.5
22.5°	788.7	785.3	784.9	779.4	777.2
25°	772.6	767.5	765.8	759.0	757.3
27.5°	752.2	747.6	745.0	737.8	734.4
30°	730.6	725.5	721.3	713.2	709.9
32.5°	706.0	701.0	695.4	687.0	683.2
35°	677.6	673.0	667.5	658.6	653.9
37.5°	649.3	644.2	638.7	628.1	624.2
40°	617.9	613.2	607.3	595.9	591.6
42.5°	586.5	581.0	573.8	562.8	558.1
45°	553.5	548.4	539.9	528.5	523.0
47.5°	518.7	514.5	505.6	493.3	487.4
50°	482.3	478.9	469.6	456.0	450.5
52.5°	447.5	442.9	432.3	418.7	412.8
55°	409.4	406.4	393.3	380.6	374.6
57.5°	371.2	367.4	354.3	341.6	336.1
60°	332.3	328.9	314.9	302.2	295.4
62.5°	292.8	289.0	274.2	262.8	256.4
65°	252.2	249.2	234.4	224.2	219.1
67.5°	211.5	209.4	193.7	185.2	181.4
70°	171.6	168.7	156.4	153.0	169.1
72.5°	134.8	131.0	120.4	114.8	110.6
75°	100.0	97.9	96.2	92.8	86.5
77.5°	70.3	69.9	64.0	59.3	64.0
80°	48.3	50.0	43.2	39.4	41.1
82.5°	29.7	33.1	25.9	22.9	22.0
85°	14.8	15.3	12.7	11.9	11.4
87.5°	5.5	6.4	5.5	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)