

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: P505852

Luminaire Tested: **14PD-25-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505852
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-L940
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

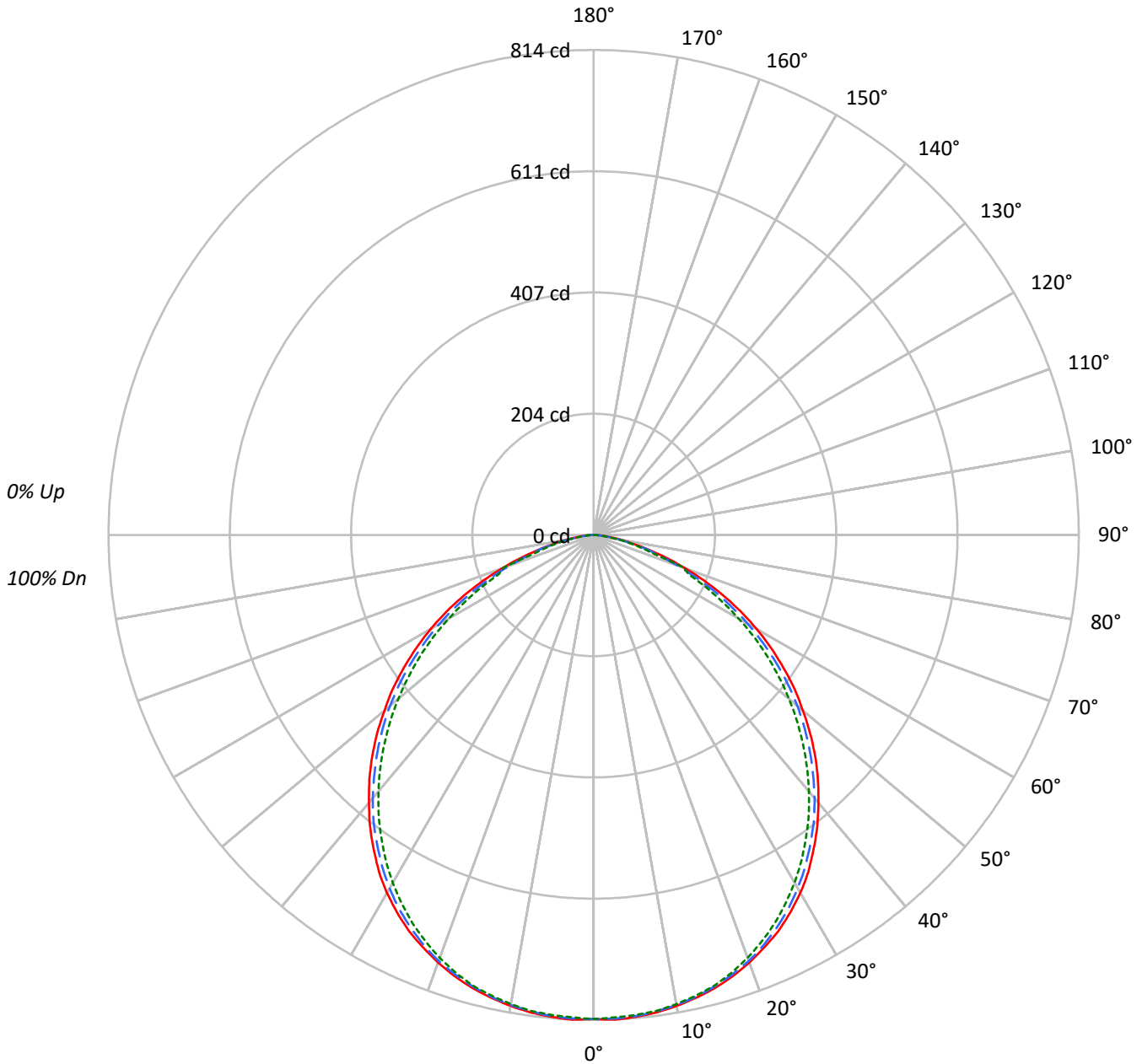
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2091.0 lumens
Efficiency: N/A
Efficacy: 92.1 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°	2186	2186	2186
5°	2194	2190	2185
10°	2194	2189	2185
15°	2193	2186	2182
20°	2187	2179	2163
25°	2178	2159	2135
30°	2156	2128	2095
35°	2114	2082	2040
40°	2061	2026	1974
45°	2000	1951	1890
50°	1917	1867	1791
55°	1824	1752	1669
60°	1698	1609	1510
65°	1524	1417	1325
70°	1282	1168	1264
75°	988	950	854
80°	711	635	604
85°	435	374	337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	3.7
10°-20°	221.3	10.6
20°-30°	334.2	16.0
30°-40°	395.4	18.9
40°-50°	394.2	18.9
50°-60°	333.1	15.9
60°-70°	221.9	10.6
70°-80°	96.4	4.6
80°-90°	17.5	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°	632.5	30.2
0°-40°	1027.9	49.2
0°-60°	1755.2	83.9
0°-90°	2091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	812	809	811	810	809	77
15°	787	784	785	784	783	222
25°	734	729	727	721	719	338
35°	644	639	634	625	621	402
45°	526	521	513	502	497	405
55°	389	386	374	361	356	347
65°	239	237	222	213	208	237
75°	95	93	91	88	82	104
85°	14	14	12	11	11	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.5	812.5	812.5	812.5	812.5
2.5°	814.5	810.9	812.5	812.5	810.5
5°	812.1	808.9	810.9	810.1	808.9
7.5°	808.5	805.3	806.5	806.1	805.7
10°	802.8	799.6	801.2	800.4	799.6
12.5°	795.6	792.4	794.0	792.8	792.0
15°	787.2	783.5	784.7	783.5	783.1
17.5°	776.7	773.1	773.5	771.9	770.3
20°	763.8	760.6	761.0	757.0	755.4
22.5°	748.9	745.7	745.3	740.1	738.1
25°	733.6	728.8	727.2	720.8	719.1
27.5°	714.3	709.9	707.5	700.6	697.4
30°	693.8	689.0	684.9	677.3	674.1
32.5°	670.4	665.6	660.4	652.3	648.7
35°	643.5	639.1	633.8	625.4	620.9
37.5°	616.5	611.7	606.5	596.4	592.8
40°	586.7	582.3	576.7	565.8	561.8
42.5°	557.0	551.7	544.9	534.4	530.0
45°	525.6	520.7	512.7	501.8	496.6
47.5°	492.6	488.5	480.1	468.4	462.8
50°	458.0	454.7	445.9	433.0	427.8
52.5°	425.0	420.5	410.5	397.6	392.0
55°	388.7	385.9	373.5	361.4	355.7
57.5°	352.5	348.9	336.4	324.4	319.1
60°	315.5	312.3	299.0	286.9	280.5
62.5°	278.1	274.5	260.4	249.5	243.5
65°	239.4	236.6	222.5	212.9	208.1
67.5°	200.8	198.8	183.9	175.9	172.2
70°	163.0	160.2	148.5	145.3	160.6
72.5°	128.0	124.4	114.3	109.1	105.0
75°	95.0	93.0	91.4	88.1	82.1
77.5°	66.8	66.4	60.8	56.3	60.8
80°	45.9	47.5	41.0	37.4	39.0
82.5°	28.2	31.4	24.5	21.7	20.9
85°	14.1	14.5	12.1	11.3	10.9
87.5°	5.2	6.0	5.2	4.4	4.4
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)