

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: P506008

Luminaire Tested: **14PD-55-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506008
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-55-PR1-L835
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

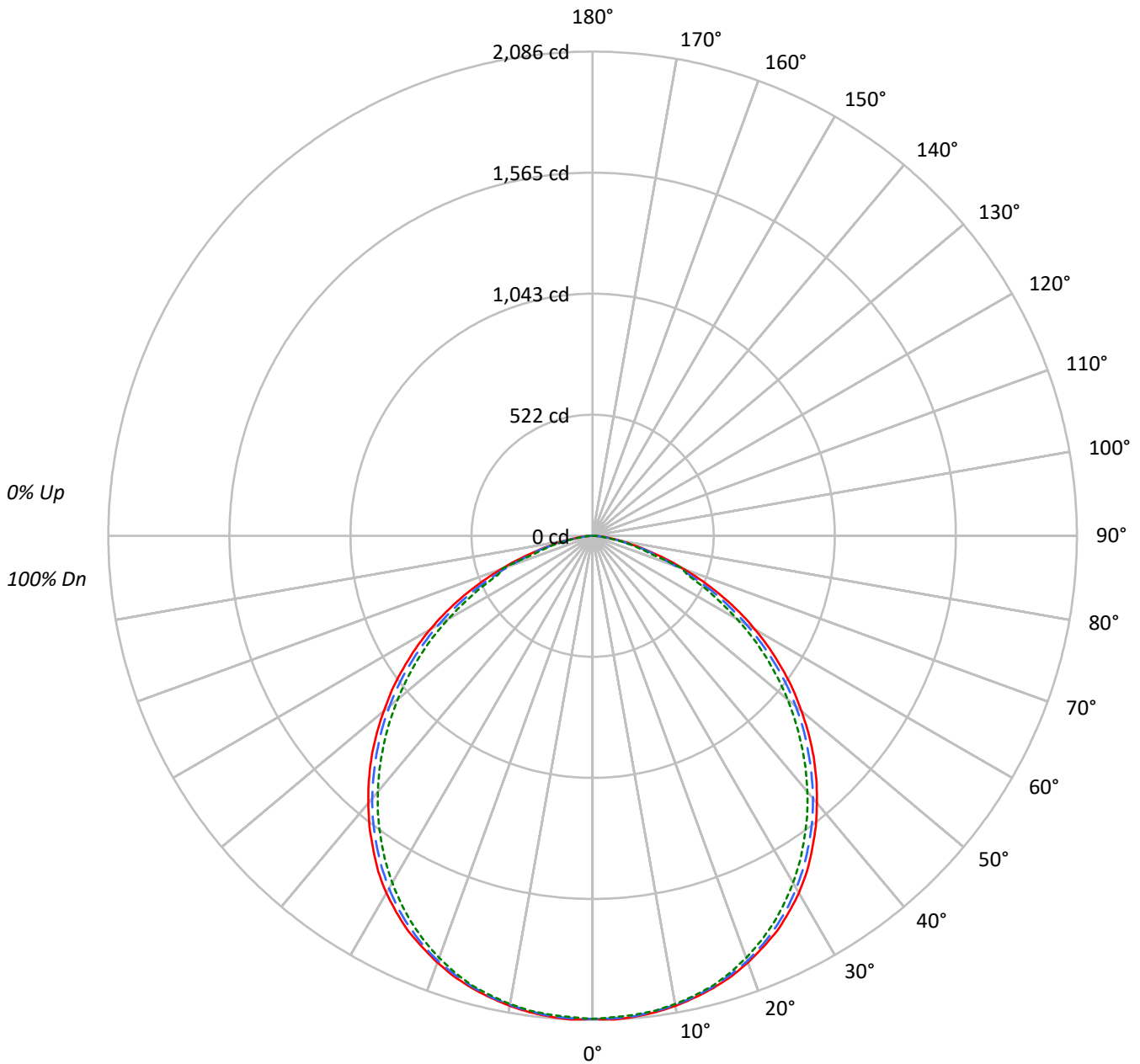
Lumens per Lamp: N/A
Luminaire Lumens: 5356.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
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°	5600	5600	5600
5°	5619	5611	5597
10°	5619	5608	5597
15°	5617	5600	5588
20°	5603	5582	5541
25°	5580	5531	5469
30°	5522	5451	5365
35°	5415	5333	5225
40°	5279	5189	5055
45°	5123	4998	4841
50°	4911	4781	4587
55°	4672	4488	4275
60°	4350	4122	3867
65°	3905	3629	3393
70°	3285	2993	3236
75°	2530	2433	2187
80°	1821	1629	1550
85°	1115	954	858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.3	3.7
10°-20°	566.8	10.6
20°-30°	856.1	16.0
30°-40°	1012.8	18.9
40°-50°	1009.8	18.9
50°-60°	853.1	15.9
60°-70°	568.4	10.6
70°-80°	246.9	4.6
80°-90°	44.8	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°	1620.1	30.2
0°-40°	2632.9	49.2
0°-60°	4495.9	83.9
0°-90°	5356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2081	2081	2081	2081	2081	
5°	2080	2072	2077	2075	2072	198
15°	2016	2007	2010	2007	2006	569
25°	1879	1867	1863	1846	1842	865
35°	1648	1637	1624	1602	1590	1031
45°	1346	1334	1313	1285	1272	1037
55°	996	988	957	926	911	889
65°	613	606	570	545	533	606
75°	243	238	234	226	210	266
85°	36	37	31	29	28	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2081.2	2081.2	2081.2	2081.2	2081.2
2.5°	2086.4	2077.1	2081.2	2081.2	2076.0
5°	2080.2	2071.9	2077.1	2075.0	2071.9
7.5°	2070.9	2062.6	2065.7	2064.7	2063.7
10°	2056.5	2048.2	2052.3	2050.3	2048.2
12.5°	2037.9	2029.7	2033.8	2030.7	2028.6
15°	2016.3	2007.0	2010.1	2007.0	2005.9
17.5°	1989.5	1980.2	1981.2	1977.1	1973.0
20°	1956.5	1948.2	1949.3	1938.9	1934.8
22.5°	1918.3	1910.1	1909.1	1895.7	1890.5
25°	1879.2	1866.8	1862.7	1846.2	1842.0
27.5°	1829.7	1818.3	1812.2	1794.6	1786.4
30°	1777.1	1764.7	1754.4	1734.8	1726.6
32.5°	1717.3	1705.0	1691.6	1670.9	1661.7
35°	1648.3	1636.9	1623.5	1601.9	1590.5
37.5°	1579.2	1566.8	1553.4	1527.7	1518.4
40°	1502.9	1491.6	1477.1	1449.3	1439.0
42.5°	1426.6	1413.2	1395.7	1368.9	1357.6
45°	1346.2	1333.9	1313.2	1285.4	1272.0
47.5°	1261.7	1251.4	1229.8	1199.9	1185.4
50°	1173.1	1164.8	1142.1	1109.1	1095.7
52.5°	1088.5	1077.2	1051.4	1018.4	1004.0
55°	995.8	988.5	956.6	925.7	911.2
57.5°	903.0	893.7	861.8	830.8	817.4
60°	808.2	799.9	765.9	735.0	718.5
62.5°	712.3	703.0	666.9	639.1	623.6
65°	613.3	606.1	570.0	545.3	532.9
67.5°	514.4	509.2	471.1	450.5	441.2
70°	417.5	410.3	380.4	372.1	411.3
72.5°	327.8	318.5	292.7	279.3	269.0
75°	243.3	238.1	234.0	225.7	210.3
77.5°	171.1	170.1	155.7	144.3	155.7
80°	117.5	121.6	105.1	95.9	100.0
82.5°	72.2	80.4	62.9	55.7	53.6
85°	36.1	37.1	30.9	28.9	27.8
87.5°	13.4	15.5	13.4	11.3	11.3
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)