

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: P505981

Luminaire Tested: **14PD-50-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505981
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-50-PR1-L835
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

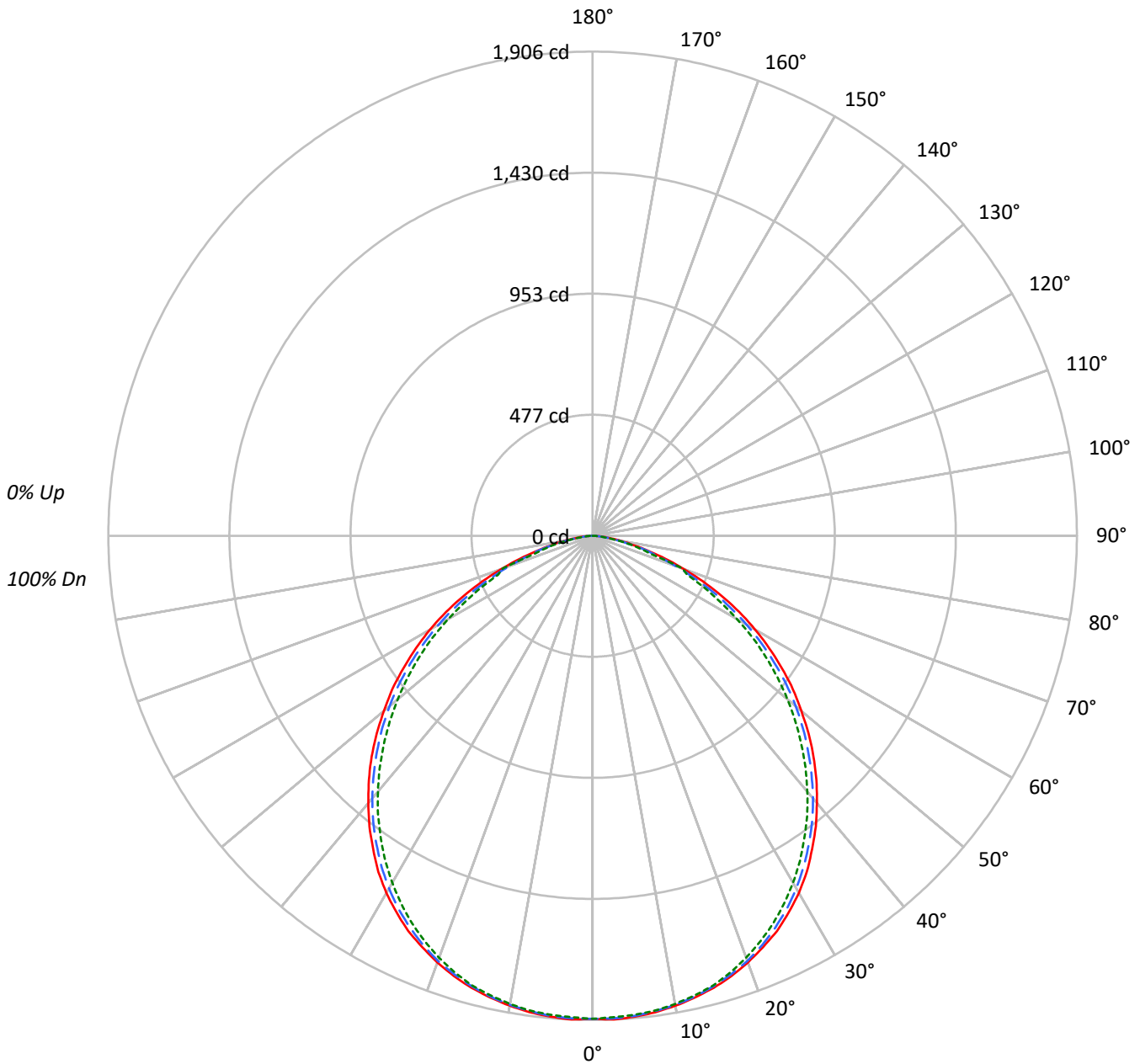
Lumens per Lamp: N/A
Luminaire Lumens: 4893.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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

TEST NUMBER: P505981

CATALOG NUMBER: 14PD-50-PR1-L835

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86			86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73			73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53			53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41			41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32			32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29			29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5116	5116	5116
5°	5133	5126	5113
10°	5134	5123	5113
15°	5132	5116	5105
20°	5118	5099	5062
25°	5097	5052	4997
30°	5045	4980	4901
35°	4947	4872	4773
40°	4823	4741	4618
45°	4681	4566	4423
50°	4487	4368	4191
55°	4268	4100	3906
60°	3973	3766	3533
65°	3568	3316	3100
70°	3001	2734	2956
75°	2310	2223	1997
80°	1664	1489	1415
85°	1019	874	784



TEST NUMBER: P505981

CATALOG NUMBER: 14PD-50-PR1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	3.7
10°-20°	517.8	10.6
20°-30°	782.1	16.0
30°-40°	925.2	18.9
40°-50°	922.5	18.9
50°-60°	779.4	15.9
60°-70°	519.3	10.6
70°-80°	225.6	4.6
80°-90°	40.9	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°	1480.1	30.2
0°-40°	2405.3	49.2
0°-60°	4107.2	83.9
0°-90°	4893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1901	1901	1901	1901	1901	
5°	1900	1893	1898	1896	1893	181
15°	1842	1834	1836	1834	1832	520
25°	1717	1705	1702	1687	1683	790
35°	1506	1495	1483	1463	1453	942
45°	1230	1219	1200	1174	1162	947
55°	910	903	874	846	832	812
65°	560	554	521	498	487	554
75°	222	218	214	206	192	243
85°	33	34	28	26	25	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1901.3	1901.3	1901.3	1901.3	1901.3
2.5°	1906.0	1897.5	1901.3	1901.3	1896.6
5°	1900.3	1892.8	1897.5	1895.6	1892.8
7.5°	1891.9	1884.3	1887.2	1886.2	1885.3
10°	1878.7	1871.2	1874.9	1873.0	1871.2
12.5°	1861.7	1854.2	1858.0	1855.1	1853.3
15°	1842.0	1833.5	1836.3	1833.5	1832.5
17.5°	1817.5	1809.0	1809.9	1806.2	1802.4
20°	1787.3	1779.8	1780.7	1771.3	1767.6
22.5°	1752.5	1745.0	1744.0	1731.8	1727.1
25°	1716.7	1705.4	1701.6	1686.6	1682.8
27.5°	1671.5	1661.2	1655.5	1639.5	1632.0
30°	1623.5	1612.2	1602.8	1584.9	1577.3
32.5°	1568.9	1557.6	1545.3	1526.5	1518.0
35°	1505.8	1495.4	1483.2	1463.4	1453.0
37.5°	1442.7	1431.4	1419.1	1395.6	1387.1
40°	1373.0	1362.6	1349.5	1324.0	1314.6
42.5°	1303.3	1291.1	1275.1	1250.6	1240.2
45°	1229.9	1218.6	1199.7	1174.3	1162.1
47.5°	1152.6	1143.2	1123.4	1096.1	1083.0
50°	1071.7	1064.1	1043.4	1013.3	1001.0
52.5°	994.4	984.1	960.5	930.4	917.2
55°	909.7	903.1	873.9	845.6	832.5
57.5°	824.9	816.5	787.3	759.0	746.8
60°	738.3	730.8	699.7	671.4	656.4
62.5°	650.7	642.2	609.3	583.9	569.7
65°	560.3	553.7	520.8	498.2	486.9
67.5°	469.9	465.2	430.4	411.5	403.0
70°	381.4	374.8	347.5	340.0	375.7
72.5°	299.5	291.0	267.4	255.2	245.8
75°	222.2	217.5	213.8	206.2	192.1
77.5°	156.3	155.4	142.2	131.8	142.2
80°	107.4	111.1	96.1	87.6	91.3
82.5°	65.9	73.5	57.4	50.9	49.0
85°	33.0	33.9	28.3	26.4	25.4
87.5°	12.2	14.1	12.2	10.4	10.4
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)