

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: P506037

Luminaire Tested: **14PD-60-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506037
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-60-PR1-L850
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

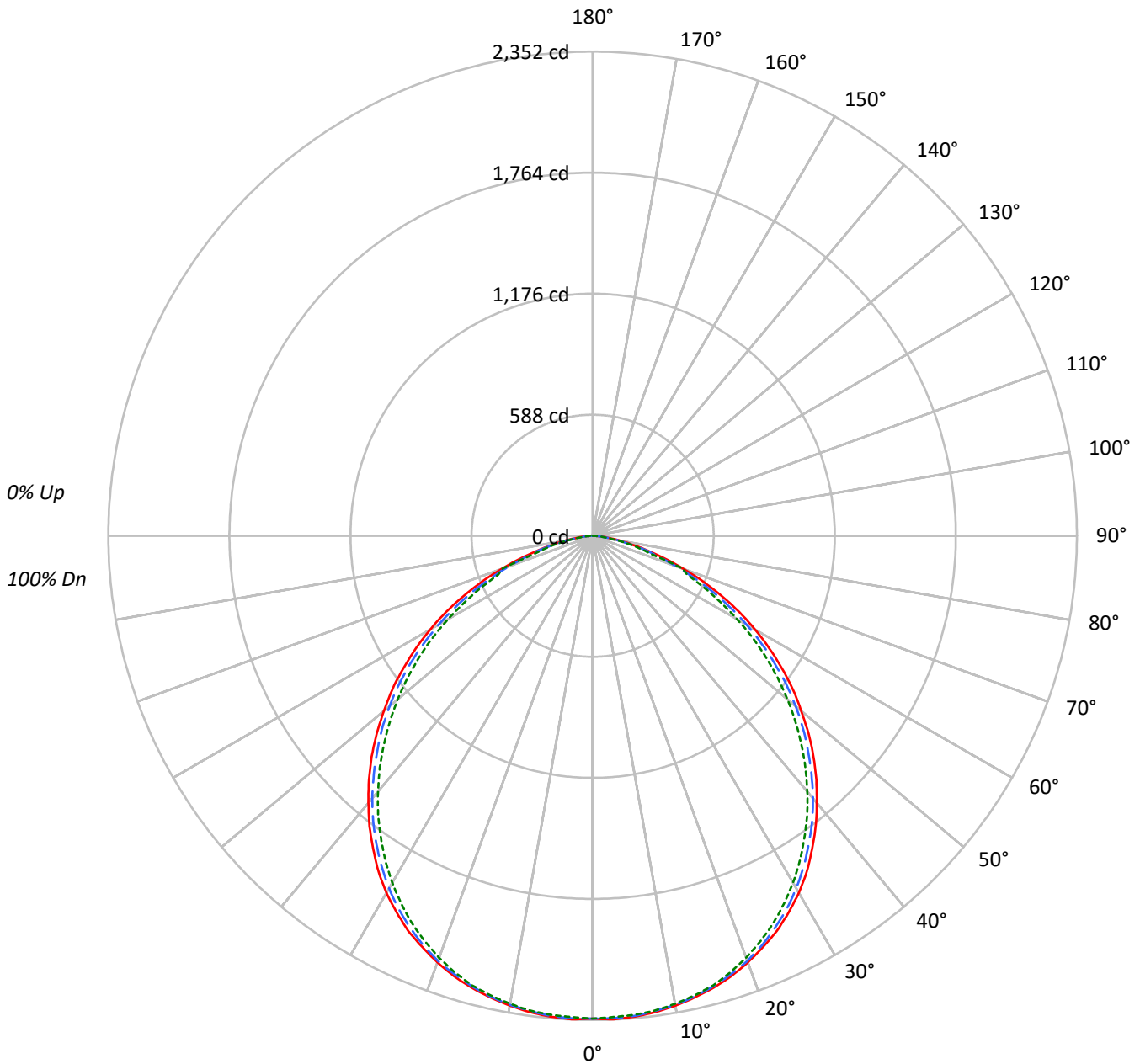
Lumens per Lamp: N/A
Luminaire Lumens: 6037.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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°	6312	6312	6312
5°	6334	6324	6309
10°	6334	6321	6308
15°	6331	6312	6299
20°	6315	6292	6245
25°	6289	6234	6165
30°	6224	6145	6047
35°	6103	6011	5889
40°	5951	5849	5698
45°	5775	5633	5456
50°	5535	5390	5171
55°	5266	5058	4819
60°	4902	4646	4358
65°	4402	4091	3825
70°	3703	3373	3648
75°	2851	2742	2464
80°	2053	1836	1746
85°	1257	1078	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.4	3.7
10°-20°	638.8	10.6
20°-30°	964.9	16.0
30°-40°	1141.6	18.9
40°-50°	1138.2	18.9
50°-60°	961.6	15.9
60°-70°	640.7	10.6
70°-80°	278.3	4.6
80°-90°	50.5	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°	1826.1	30.2
0°-40°	2967.7	49.2
0°-60°	5067.5	83.9
0°-90°	6037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2346	2346	2346	2346	2346	
5°	2345	2335	2341	2339	2335	223
15°	2273	2262	2266	2262	2261	641
25°	2118	2104	2100	2081	2076	975
35°	1858	1845	1830	1806	1793	1162
45°	1517	1504	1480	1449	1434	1169
55°	1122	1114	1078	1043	1027	1002
65°	691	683	642	615	601	683
75°	274	268	264	254	237	300
85°	41	42	35	32	31	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2345.8	2345.8	2345.8	2345.8	2345.8
2.5°	2351.6	2341.2	2345.8	2345.8	2340.0
5°	2344.7	2335.4	2341.2	2338.8	2335.4
7.5°	2334.2	2324.9	2328.4	2327.2	2326.1
10°	2317.9	2308.6	2313.3	2311.0	2308.6
12.5°	2297.0	2287.7	2292.4	2288.9	2286.6
15°	2272.6	2262.2	2265.6	2262.2	2261.0
17.5°	2242.4	2232.0	2233.1	2228.5	2223.8
20°	2205.2	2195.9	2197.1	2185.5	2180.8
22.5°	2162.2	2152.9	2151.8	2136.7	2130.9
25°	2118.1	2104.1	2099.5	2080.9	2076.3
27.5°	2062.3	2049.5	2042.6	2022.8	2013.5
30°	2003.1	1989.1	1977.5	1955.4	1946.1
32.5°	1935.7	1921.7	1906.6	1883.4	1872.9
35°	1857.8	1845.0	1829.9	1805.5	1792.8
37.5°	1780.0	1766.0	1750.9	1721.9	1711.4
40°	1694.0	1681.2	1665.0	1633.6	1622.0
42.5°	1608.0	1592.9	1573.2	1543.0	1530.2
45°	1517.4	1503.5	1480.2	1448.9	1433.7
47.5°	1422.1	1410.5	1386.1	1352.4	1336.1
50°	1322.2	1312.9	1287.4	1250.2	1235.1
52.5°	1226.9	1214.2	1185.1	1147.9	1131.7
55°	1122.4	1114.2	1078.2	1043.4	1027.1
57.5°	1017.8	1007.3	971.3	936.5	921.4
60°	910.9	901.6	863.3	828.4	809.8
62.5°	802.9	792.4	751.7	720.4	702.9
65°	691.3	683.2	642.5	614.6	600.7
67.5°	579.8	574.0	531.0	507.7	497.3
70°	470.6	462.4	428.7	419.4	463.6
72.5°	369.5	359.0	330.0	314.9	303.2
75°	274.2	268.4	263.7	254.4	237.0
77.5°	192.9	191.7	175.4	162.7	175.4
80°	132.5	137.1	118.5	108.1	112.7
82.5°	81.3	90.6	70.9	62.7	60.4
85°	40.7	41.8	34.9	32.5	31.4
87.5°	15.1	17.4	15.1	12.8	12.8
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)