

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: P506044

Luminaire Tested: **14PD-60-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PW1-L835
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

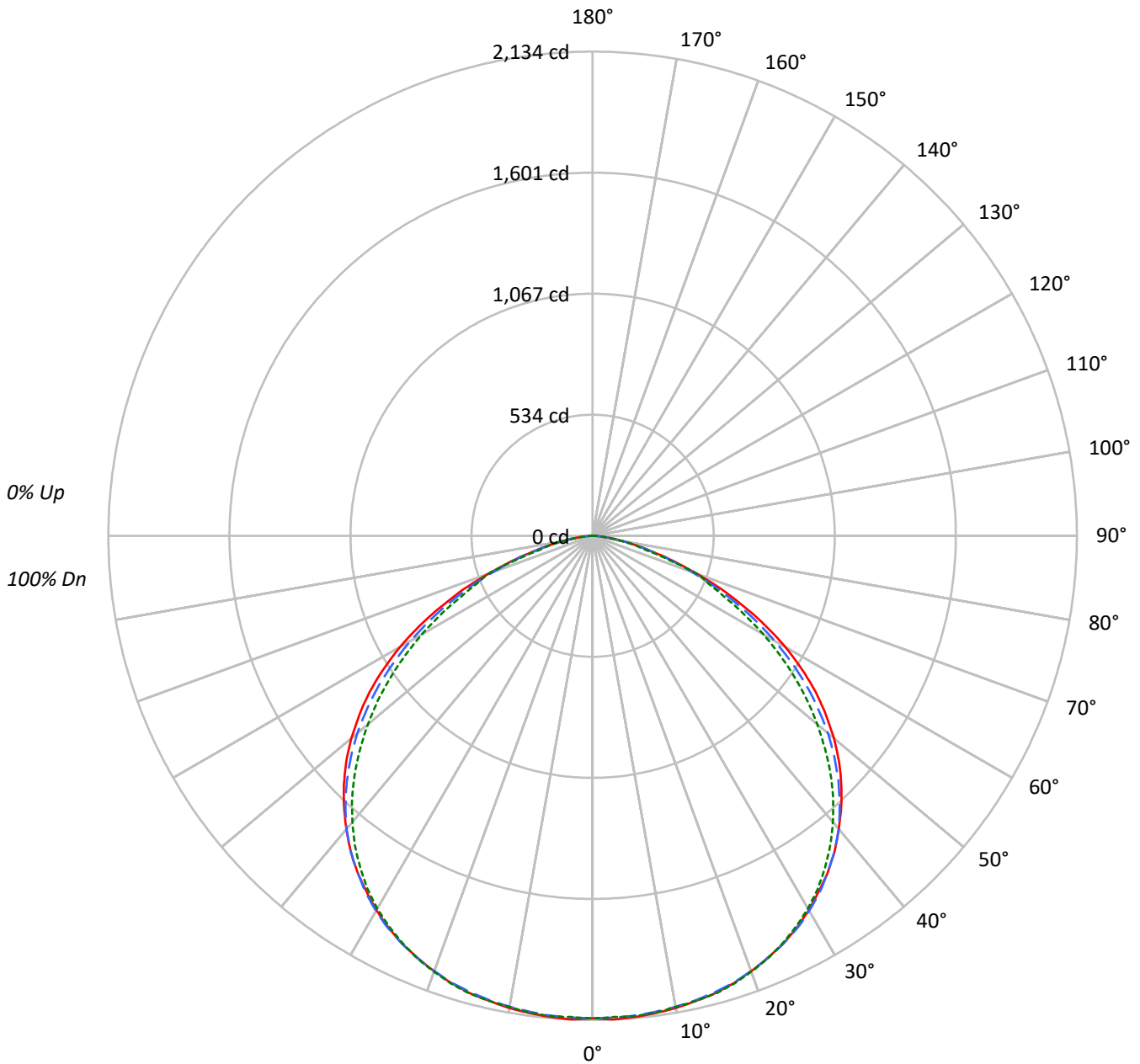
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6056.9 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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					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	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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39					39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31					31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28					28			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5723	5723	5723
5°	5752	5735	5742
10°	5775	5759	5762
15°	5814	5801	5821
20°	5849	5846	5856
25°	5893	5893	5883
30°	5921	5932	5895
35°	5940	5940	5865
40°	5929	5925	5786
45°	5898	5829	5641
50°	5808	5667	5411
55°	5629	5392	5099
60°	5273	4982	4672
65°	4670	4402	4111
70°	3812	3642	3840
75°	2875	2825	2538
80°	2067	1937	1937
85°	1300	1226	1078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	3.3
10°-20°	588.7	9.7
20°-30°	913.9	15.1
30°-40°	1125.6	18.6
40°-50°	1171.9	19.3
50°-60°	1019.1	16.8
60°-70°	684.7	11.3
70°-80°	296.4	4.9
80°-90°	54.4	0.9
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°	1704.9	28.1
0°-40°	2830.5	46.7
0°-60°	5021.5	82.9
0°-90°	6056.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6056.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2127	2127	2127	2127	2127	
5°	2129	2116	2123	2128	2126	203
15°	2087	2073	2082	2090	2090	590
25°	1985	1975	1985	1985	1981	915
35°	1808	1803	1808	1792	1785	1130
45°	1550	1545	1532	1497	1482	1194
55°	1200	1178	1149	1104	1087	1066
65°	733	720	691	659	646	726
75°	276	279	272	278	244	305
85°	42	43	40	35	35	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2126.8	2126.8	2126.8	2126.8	2126.8
2.5°	2134.0	2120.7	2125.6	2132.8	2123.2
5°	2129.2	2115.9	2123.2	2128.0	2125.6
7.5°	2122.0	2112.3	2115.9	2120.7	2119.5
10°	2113.5	2103.9	2107.5	2112.3	2108.7
12.5°	2100.3	2089.5	2096.7	2101.5	2100.3
15°	2087.1	2072.7	2082.3	2089.5	2089.5
17.5°	2067.9	2055.8	2065.4	2071.5	2070.3
20°	2042.6	2034.2	2041.4	2046.2	2045.0
22.5°	2013.7	2007.7	2016.2	2016.2	2016.2
25°	1984.9	1975.3	1984.9	1984.9	1981.3
27.5°	1947.6	1939.2	1951.2	1947.6	1941.6
30°	1905.5	1900.7	1909.2	1903.1	1897.1
32.5°	1856.3	1853.9	1862.3	1850.2	1845.4
35°	1808.2	1803.4	1808.2	1792.5	1785.3
37.5°	1751.7	1746.9	1751.7	1731.2	1720.4
40°	1687.9	1684.3	1686.7	1660.3	1647.1
42.5°	1621.8	1618.2	1612.2	1579.7	1568.9
45°	1549.7	1544.9	1531.7	1496.8	1482.4
47.5°	1472.7	1464.3	1445.1	1407.8	1388.6
50°	1387.4	1375.4	1353.7	1312.8	1292.4
52.5°	1294.8	1280.4	1252.7	1211.9	1192.6
55°	1199.8	1178.2	1149.3	1103.7	1086.8
57.5°	1091.6	1068.8	1038.7	996.7	977.4
60°	979.8	957.0	925.7	887.3	868.0
62.5°	860.8	840.4	809.1	773.0	756.2
65°	733.4	720.1	691.3	658.8	645.6
67.5°	613.1	599.9	575.9	548.2	553.0
70°	484.5	483.3	462.9	443.6	488.1
72.5°	377.5	375.1	364.3	354.7	352.3
75°	276.5	278.9	271.7	277.7	244.1
77.5°	194.8	197.2	196.0	179.1	187.5
80°	133.4	133.4	125.0	119.0	125.0
82.5°	80.5	96.2	86.6	70.9	68.5
85°	42.1	43.3	39.7	34.9	34.9
87.5°	15.6	18.0	15.6	14.4	13.2
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)