

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: P506397

Luminaire Tested: **22PD-60-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PW1-L850
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

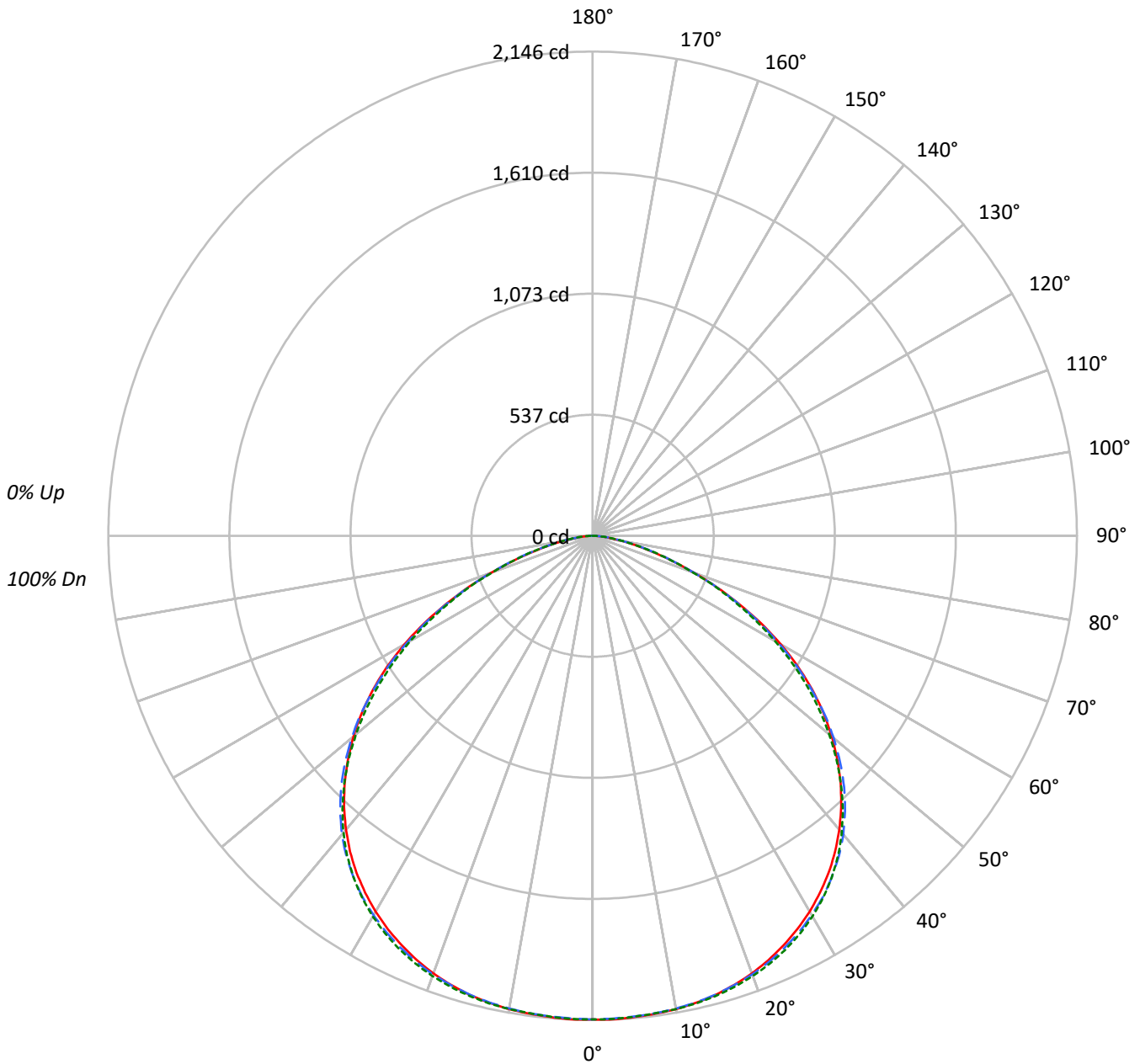
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6196.6 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5769	5769	5769
5°	5784	5776	5778
10°	5822	5814	5820
15°	5868	5865	5882
20°	5911	5924	5948
25°	5946	5980	6008
30°	5975	6032	6054
35°	5990	6068	6071
40°	5972	6069	6034
45°	5913	5998	5925
50°	5793	5834	5728
55°	5568	5543	5438
60°	5183	5125	5018
65°	4571	4527	4439
70°	3744	3762	3683
75°	2836	2931	2907
80°	2053	2137	2101
85°	1349	1396	1491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.8	3.3
10°-20°	595.4	9.6
20°-30°	928.2	15.0
30°-40°	1150.5	18.6
40°-50°	1203.8	19.4
50°-60°	1049.0	16.9
60°-70°	702.7	11.3
70°-80°	304.6	4.9
80°-90°	58.7	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°	1727.4	27.9
0°-40°	2877.9	46.4
0°-60°	5130.7	82.8
0°-90°	6196.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6196.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2144	2144	2144	2144	2144	
5°	2141	2139	2138	2138	2139	204
15°	2106	2103	2105	2108	2112	595
25°	2003	2004	2014	2020	2023	923
35°	1823	1830	1847	1850	1848	1140
45°	1554	1562	1576	1563	1557	1196
55°	1187	1186	1181	1168	1159	1057
65°	718	714	711	704	697	710
75°	273	277	282	280	280	301
85°	44	47	45	46	48	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2143.7	2143.7	2143.7	2143.7	2143.7
2.5°	2146.0	2142.2	2141.4	2141.4	2143.7
5°	2141.4	2139.1	2138.3	2137.6	2139.1
7.5°	2136.8	2133.7	2134.5	2133.0	2134.5
10°	2130.7	2127.6	2127.6	2127.6	2129.9
12.5°	2119.9	2117.6	2118.4	2119.9	2123.0
15°	2106.2	2103.1	2105.4	2107.7	2111.5
17.5°	2087.0	2084.7	2088.5	2092.4	2095.4
20°	2064.0	2061.7	2068.6	2074.0	2077.0
22.5°	2035.7	2034.9	2044.1	2050.2	2052.5
25°	2002.7	2003.5	2014.2	2020.3	2023.4
27.5°	1965.2	1966.7	1980.5	1985.9	1988.9
30°	1923.0	1926.9	1941.4	1946.0	1948.3
32.5°	1875.5	1880.9	1898.5	1901.6	1901.6
35°	1823.4	1830.3	1847.2	1849.5	1848.0
37.5°	1765.2	1772.9	1792.0	1789.0	1786.7
40°	1700.1	1708.5	1727.7	1721.5	1717.7
42.5°	1630.4	1638.8	1655.7	1646.5	1641.1
45°	1553.8	1562.2	1576.0	1563.0	1556.8
47.5°	1471.0	1481.0	1487.9	1473.3	1465.6
50°	1383.7	1386.7	1393.6	1376.8	1368.3
52.5°	1288.7	1288.7	1294.0	1275.6	1265.7
55°	1186.8	1186.0	1181.4	1168.4	1159.2
57.5°	1078.7	1074.1	1071.1	1057.3	1046.6
60°	963.1	956.2	952.3	940.8	932.4
62.5°	842.0	838.2	833.6	824.4	815.2
65°	717.9	714.1	711.0	704.1	697.2
67.5°	594.5	592.2	592.2	587.6	586.9
70°	475.8	477.3	478.1	478.1	468.1
72.5°	368.5	369.3	373.1	370.1	369.3
75°	272.8	277.3	281.9	279.6	279.6
77.5°	196.1	203.0	203.0	201.5	199.2
80°	132.5	135.6	137.9	137.1	135.6
82.5°	84.3	86.6	84.3	85.8	86.6
85°	43.7	46.7	45.2	46.0	48.3
87.5°	14.6	16.1	16.9	16.1	16.1
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)