

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: P506046

Luminaire Tested: **14PD-60-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506046
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-L850
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

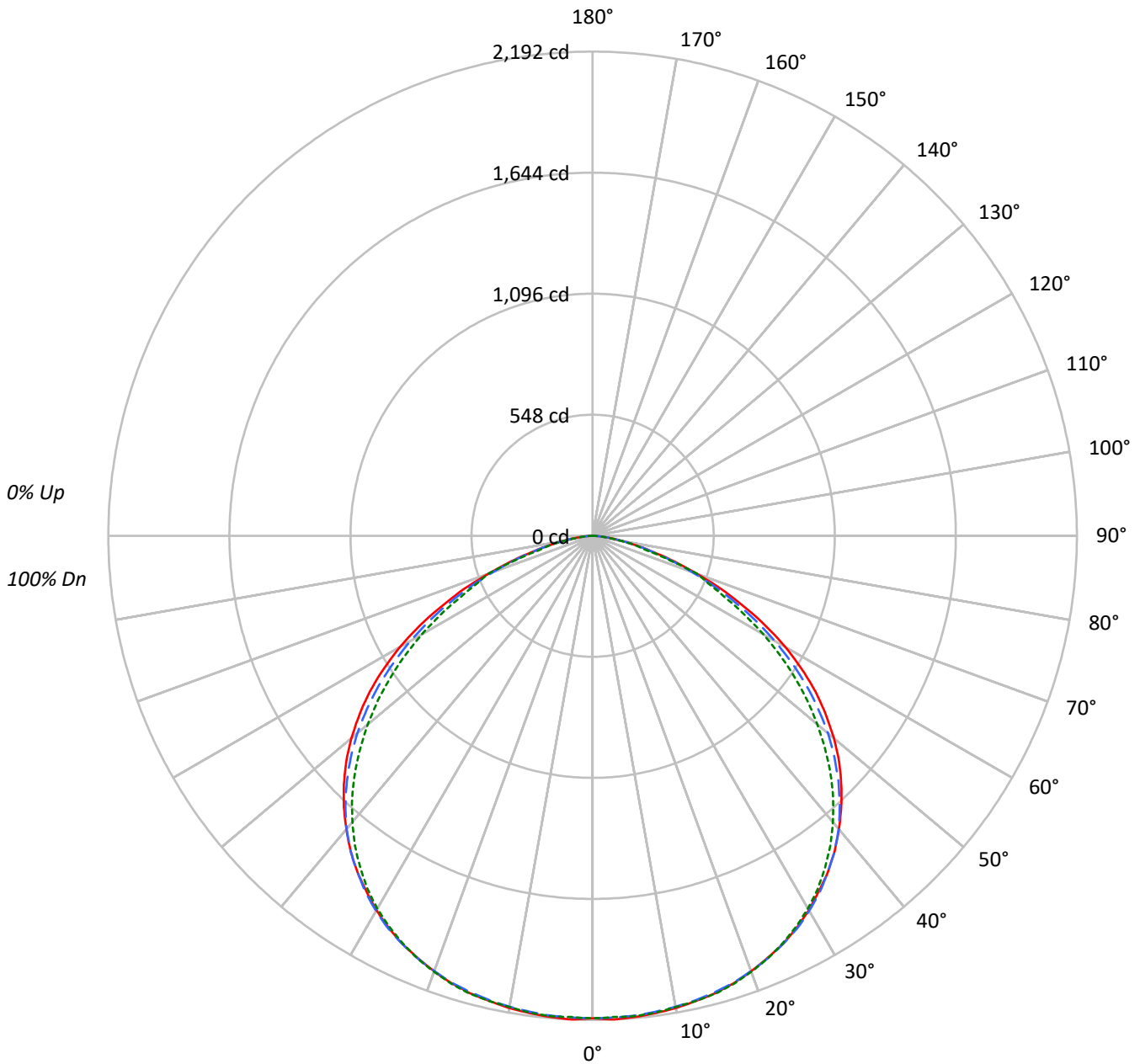
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6221.8 lumens
Efficiency: N/A
Efficacy: 104.9 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									
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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	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°	5879	5879	5879
5°	5908	5891	5898
10°	5932	5916	5919
15°	5973	5959	5979
20°	6009	6005	6016
25°	6054	6054	6043
30°	6082	6094	6055
35°	6102	6102	6025
40°	6091	6086	5943
45°	6058	5987	5795
50°	5966	5822	5558
55°	5782	5539	5238
60°	5417	5118	4799
65°	4797	4521	4223
70°	3916	3741	3945
75°	2953	2902	2607
80°	2125	1990	1990
85°	1334	1260	1105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.7	3.3
10°-20°	604.7	9.7
20°-30°	938.8	15.1
30°-40°	1156.3	18.6
40°-50°	1203.8	19.3
50°-60°	1046.9	16.8
60°-70°	703.3	11.3
70°-80°	304.4	4.9
80°-90°	55.9	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°	1751.2	28.1
0°-40°	2907.5	46.7
0°-60°	5158.1	82.9
0°-90°	6221.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6221.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2185	2185	2185	2185	2185	
5°	2187	2174	2181	2186	2183	208
15°	2144	2129	2139	2146	2146	606
25°	2039	2029	2039	2039	2035	940
35°	1857	1852	1857	1841	1834	1161
45°	1592	1587	1573	1538	1523	1226
55°	1232	1210	1181	1134	1116	1095
65°	753	740	710	677	663	746
75°	284	286	279	285	251	313
85°	43	44	41	36	36	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2184.6	2184.6	2184.6	2184.6	2184.6
2.5°	2192.0	2178.5	2183.4	2190.8	2180.9
5°	2187.1	2173.5	2180.9	2185.9	2183.4
7.5°	2179.7	2169.8	2173.5	2178.5	2177.2
10°	2171.0	2161.2	2164.9	2169.8	2166.1
12.5°	2157.5	2146.3	2153.8	2158.7	2157.5
15°	2143.9	2129.1	2138.9	2146.3	2146.3
17.5°	2124.1	2111.8	2121.6	2127.8	2126.6
20°	2098.2	2089.5	2096.9	2101.9	2100.7
22.5°	2068.5	2062.4	2071.0	2071.0	2071.0
25°	2038.9	2029.0	2038.9	2038.9	2035.2
27.5°	2000.6	1992.0	2004.3	2000.6	1994.4
30°	1957.4	1952.5	1961.1	1954.9	1948.8
32.5°	1906.8	1904.3	1912.9	1900.6	1895.7
35°	1857.4	1852.4	1857.4	1841.3	1833.9
37.5°	1799.3	1794.4	1799.3	1778.3	1767.2
40°	1733.9	1730.2	1732.6	1705.5	1691.9
42.5°	1666.0	1662.2	1656.1	1622.7	1611.6
45°	1591.9	1586.9	1573.3	1537.5	1522.7
47.5°	1512.8	1504.2	1484.4	1446.1	1426.4
50°	1425.1	1412.8	1390.6	1348.6	1327.6
52.5°	1330.0	1315.2	1286.8	1244.8	1225.1
55°	1232.5	1210.3	1180.6	1133.7	1116.4
57.5°	1121.3	1097.9	1067.0	1023.8	1004.0
60°	1006.5	983.0	950.9	911.4	891.6
62.5°	884.2	863.2	831.1	794.1	776.8
65°	753.3	739.7	710.1	676.8	663.2
67.5°	629.8	616.2	591.5	563.1	568.1
70°	497.7	496.5	475.5	455.7	501.4
72.5°	387.8	385.3	374.2	364.3	361.8
75°	284.0	286.5	279.1	285.3	250.7
77.5°	200.1	202.5	201.3	184.0	192.7
80°	137.1	137.1	128.4	122.3	128.4
82.5°	82.7	98.8	88.9	72.9	70.4
85°	43.2	44.5	40.8	35.8	35.8
87.5°	16.1	18.5	16.1	14.8	13.6
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)