

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: P506378

Luminaire Tested: **22PD-60-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PL1-L840
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

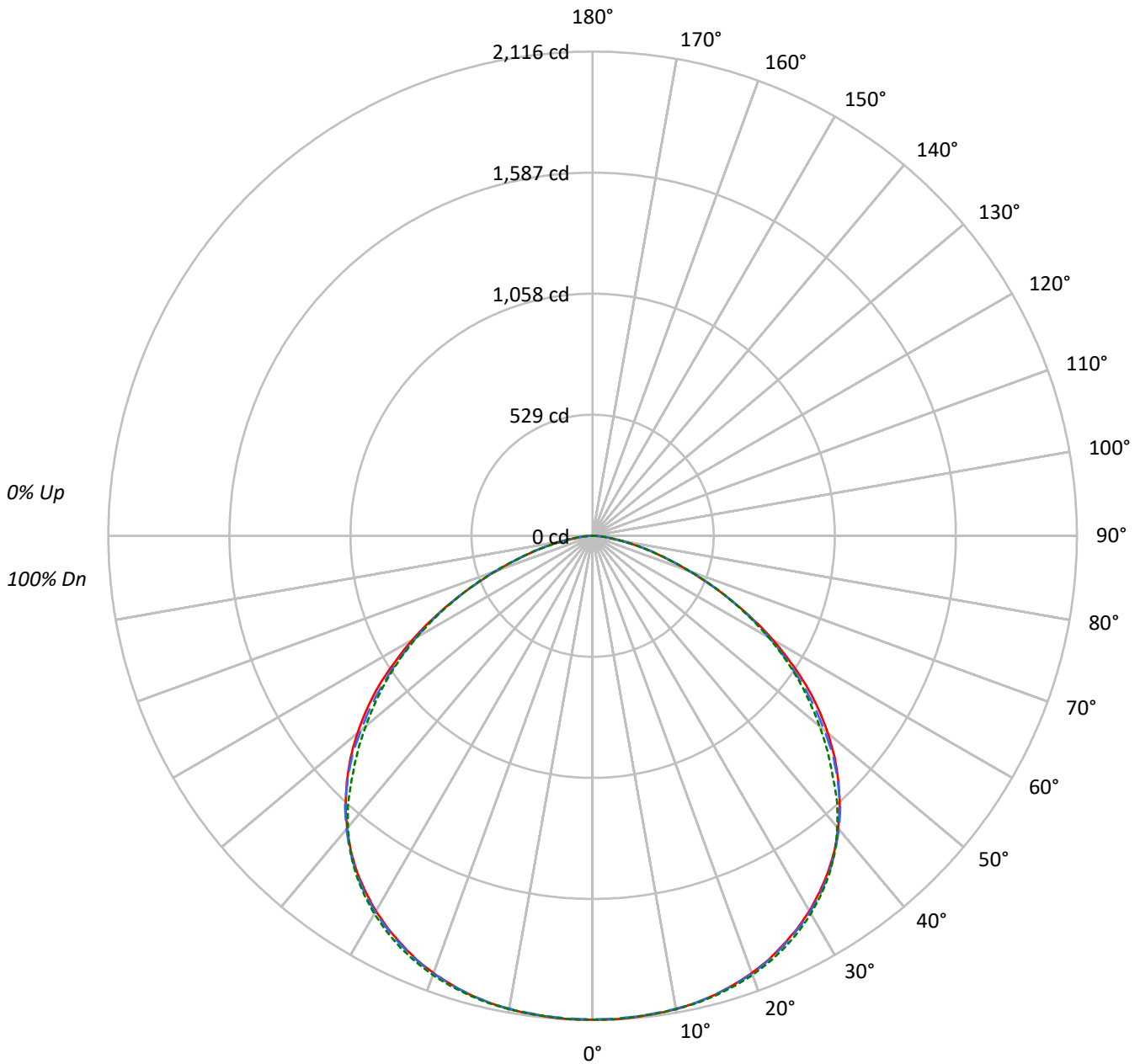
Lumens per Lamp: N/A
Luminaire Lumens: 5988.1 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5689	5689	5689
5°	5705	5699	5701
10°	5740	5734	5740
15°	5782	5782	5794
20°	5824	5830	5850
25°	5855	5868	5897
30°	5885	5903	5926
35°	5893	5913	5925
40°	5863	5878	5842
45°	5779	5762	5646
50°	5616	5529	5416
55°	5343	5207	5148
60°	4892	4800	4772
65°	4266	4257	4242
70°	3496	3556	3544
75°	2771	2818	2771
80°	2030	2019	2007
85°	1355	1334	1426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.0	3.4
10°-20°	586.6	9.8
20°-30°	911.8	15.2
30°-40°	1124.0	18.8
40°-50°	1161.0	19.4
50°-60°	993.5	16.6
60°-70°	663.0	11.1
70°-80°	290.9	4.9
80°-90°	56.2	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°	1699.4	28.4
0°-40°	2823.4	47.2
0°-60°	4977.9	83.1
0°-90°	5988.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5988.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2114	2114	2114	2114	2114	
5°	2112	2109	2110	2108	2110	201
15°	2075	2073	2075	2077	2080	586
25°	1972	1972	1976	1982	1986	910
35°	1794	1794	1800	1804	1804	1121
45°	1519	1518	1514	1500	1484	1169
55°	1139	1125	1110	1104	1097	1012
65°	670	668	668	671	666	665
75°	266	264	271	270	266	289
85°	44	43	43	45	46	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2114.1	2114.1	2114.1	2114.1	2114.1
2.5°	2115.6	2112.6	2111.9	2111.9	2115.6
5°	2111.9	2108.9	2109.7	2108.2	2110.4
7.5°	2106.7	2103.7	2104.4	2103.7	2106.7
10°	2100.7	2097.7	2098.5	2097.7	2100.7
12.5°	2090.3	2088.1	2089.6	2090.3	2092.5
15°	2075.4	2073.2	2075.4	2076.9	2079.9
17.5°	2056.1	2054.6	2056.8	2059.0	2062.8
20°	2033.7	2032.2	2036.0	2038.2	2042.7
22.5°	2006.2	2004.7	2008.4	2013.6	2016.6
25°	1971.9	1971.9	1976.4	1982.4	1986.1
27.5°	1935.5	1934.7	1939.9	1945.9	1949.6
30°	1893.8	1892.3	1899.7	1904.9	1907.2
32.5°	1845.4	1846.1	1852.8	1858.0	1858.8
35°	1794.0	1794.0	1800.0	1803.7	1803.7
37.5°	1735.2	1734.5	1740.4	1741.9	1739.7
40°	1669.0	1669.7	1673.4	1672.7	1663.0
42.5°	1597.5	1598.2	1601.2	1590.8	1581.1
45°	1518.6	1517.8	1514.1	1500.0	1483.6
47.5°	1434.5	1430.8	1424.8	1403.2	1391.3
50°	1341.4	1335.5	1320.6	1303.5	1293.8
52.5°	1243.2	1232.7	1217.9	1204.5	1196.3
55°	1138.9	1124.8	1109.9	1104.0	1097.3
57.5°	1022.8	1013.9	1001.2	998.3	993.8
60°	908.9	899.2	891.8	891.8	886.6
62.5°	789.8	783.9	780.9	782.4	777.2
65°	670.0	668.5	668.5	670.7	666.2
67.5°	553.8	556.8	556.1	563.5	557.6
70°	444.4	449.6	451.9	459.3	450.4
72.5°	349.9	350.6	353.6	355.8	351.4
75°	266.5	264.3	271.0	269.5	266.5
77.5°	192.8	191.3	193.5	195.0	191.3
80°	131.0	129.5	130.3	132.5	129.5
82.5°	82.6	81.1	81.1	83.4	82.6
85°	43.9	43.2	43.2	44.7	46.2
87.5°	15.6	14.9	15.6	15.6	15.6
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)