

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: P506396

Luminaire Tested: **22PD-60-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506396
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-L840
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

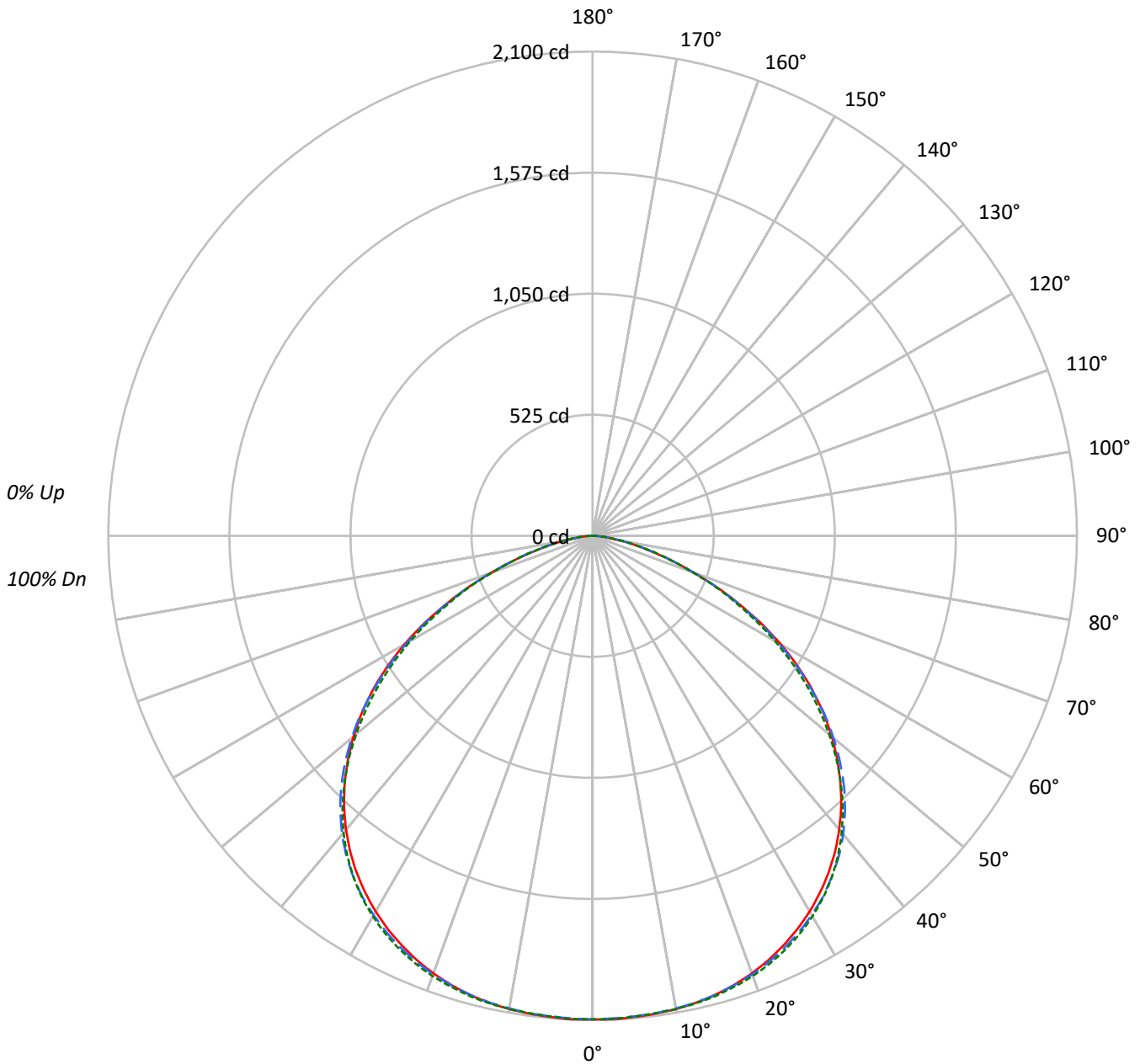
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6063.0 lumens
Efficiency: N/A
Efficacy: 115.5 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	83	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°	5644	5644	5644
5°	5660	5652	5654
10°	5696	5688	5695
15°	5741	5739	5756
20°	5783	5796	5820
25°	5818	5852	5878
30°	5847	5903	5923
35°	5861	5937	5940
40°	5843	5938	5904
45°	5785	5868	5797
50°	5668	5709	5605
55°	5448	5423	5321
60°	5071	5015	4910
65°	4472	4430	4344
70°	3663	3681	3603
75°	2775	2869	2845
80°	2010	2091	2056
85°	1318	1365	1457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	3.3
10°-20°	582.5	9.6
20°-30°	908.2	15.0
30°-40°	1125.6	18.6
40°-50°	1177.8	19.4
50°-60°	1026.4	16.9
60°-70°	687.6	11.3
70°-80°	298.1	4.9
80°-90°	57.4	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°	1690.1	27.9
0°-40°	2815.8	46.4
0°-60°	5020.0	82.8
0°-90°	6063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2098	2098	2098	2098	2098	
5°	2095	2093	2092	2092	2093	200
15°	2061	2058	2060	2062	2066	582
25°	1960	1960	1971	1977	1980	904
35°	1784	1791	1807	1810	1808	1115
45°	1520	1528	1542	1529	1523	1171
55°	1161	1160	1156	1143	1134	1034
65°	702	699	696	689	682	695
75°	267	271	276	274	274	294
85°	43	46	44	45	47	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2097.5	2097.5	2097.5	2097.5	2097.5
2.5°	2099.7	2096.0	2095.2	2095.2	2097.5
5°	2095.2	2093.0	2092.2	2091.5	2093.0
7.5°	2090.7	2087.7	2088.5	2087.0	2088.5
10°	2084.7	2081.7	2081.7	2081.7	2084.0
12.5°	2074.2	2072.0	2072.7	2074.2	2077.2
15°	2060.7	2057.7	2060.0	2062.2	2066.0
17.5°	2042.0	2039.7	2043.5	2047.2	2050.2
20°	2019.5	2017.2	2024.0	2029.2	2032.2
22.5°	1991.8	1991.0	2000.0	2006.0	2008.2
25°	1959.5	1960.3	1970.8	1976.8	1979.8
27.5°	1922.8	1924.3	1937.8	1943.0	1946.0
30°	1881.6	1885.3	1899.6	1904.1	1906.3
32.5°	1835.1	1840.3	1857.6	1860.6	1860.6
35°	1784.1	1790.9	1807.3	1809.6	1808.1
37.5°	1727.1	1734.6	1753.4	1750.4	1748.1
40°	1663.4	1671.7	1690.4	1684.4	1680.7
42.5°	1595.2	1603.5	1619.9	1610.9	1605.7
45°	1520.2	1528.5	1542.0	1529.2	1523.2
47.5°	1439.3	1449.0	1455.8	1441.5	1434.0
50°	1353.8	1356.8	1363.6	1347.1	1338.8
52.5°	1260.9	1260.9	1266.1	1248.1	1238.4
55°	1161.2	1160.4	1155.9	1143.2	1134.2
57.5°	1055.5	1051.0	1048.0	1034.5	1024.0
60°	942.3	935.5	931.8	920.5	912.3
62.5°	823.8	820.1	815.6	806.6	797.6
65°	702.4	698.7	695.7	688.9	682.2
67.5°	581.7	579.5	579.5	575.0	574.2
70°	465.5	467.0	467.8	467.8	458.0
72.5°	360.6	361.3	365.1	362.1	361.3
75°	266.9	271.4	275.9	273.6	273.6
77.5°	191.9	198.7	198.7	197.2	194.9
80°	129.7	132.7	134.9	134.2	132.7
82.5°	82.5	84.7	82.5	84.0	84.7
85°	42.7	45.7	44.2	45.0	47.2
87.5°	14.2	15.7	16.5	15.7	15.7
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)