

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: P506747

Luminaire Tested: **24PD-60-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-60-PW1-L840
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

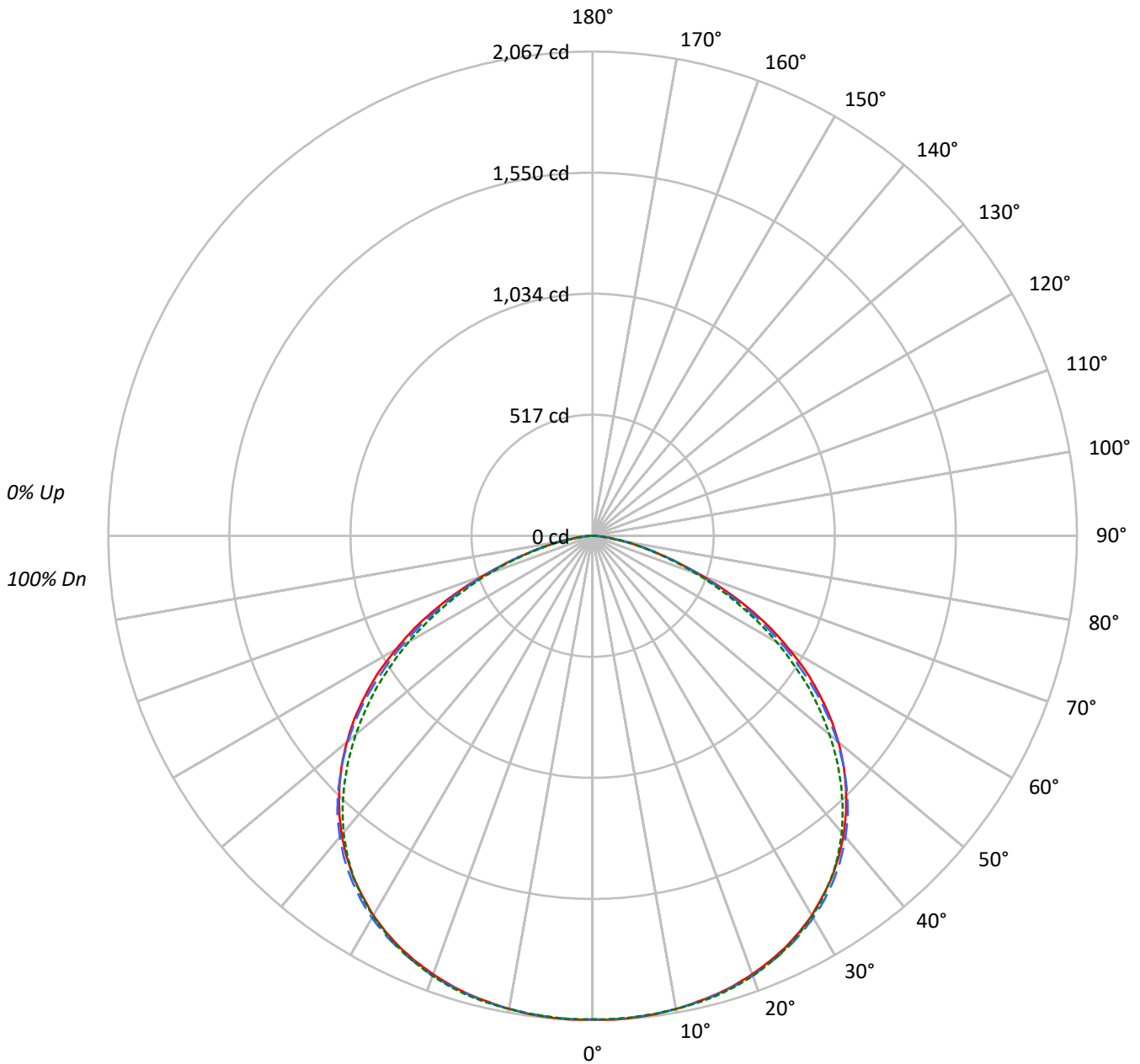
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6055.9 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.9
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	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2779	2779	2779
5°	2788	2785	2785
10°	2803	2803	2803
15°	2825	2828	2833
20°	2852	2861	2863
25°	2882	2895	2890
30°	2907	2926	2913
35°	2924	2947	2921
40°	2927	2950	2905
45°	2910	2921	2851
50°	2865	2852	2762
55°	2774	2729	2632
60°	2605	2538	2439
65°	2350	2263	2171
70°	1937	1908	1837
75°	1481	1496	1436
80°	1027	1058	1037
85°	614	641	624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	3.2
10°-20°	574.1	9.5
20°-30°	897.9	14.8
30°-40°	1116.8	18.4
40°-50°	1173.7	19.4
50°-60°	1030.2	17.0
60°-70°	701.5	11.6
70°-80°	309.5	5.1
80°-90°	55.7	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°	1668.5	27.6
0°-40°	2785.3	46.0
0°-60°	4989.2	82.4
0°-90°	6055.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6055.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2065	2065	2065	2065	2065	
5°	2064	2064	2062	2060	2062	197
15°	2028	2030	2030	2030	2034	573
25°	1941	1946	1950	1949	1947	895
35°	1780	1788	1794	1786	1779	1113
45°	1530	1539	1535	1510	1498	1178
55°	1182	1178	1163	1133	1122	1054
65°	738	720	711	695	682	727
75°	285	286	288	282	276	312
85°	40	42	42	41	40	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2065.1	2065.1	2065.1	2065.1	2065.1
2.5°	2067.4	2066.3	2065.1	2063.4	2065.1
5°	2064.5	2064.0	2062.2	2059.9	2062.2
7.5°	2059.9	2059.9	2058.2	2056.5	2057.6
10°	2051.3	2053.0	2051.3	2049.5	2051.8
12.5°	2039.7	2042.6	2042.0	2042.0	2043.8
15°	2028.2	2030.5	2029.9	2029.9	2034.0
17.5°	2012.1	2015.0	2015.5	2016.7	2019.0
20°	1991.9	1995.9	1998.2	1997.7	1999.4
22.5°	1968.3	1972.9	1974.6	1975.7	1974.6
25°	1941.2	1946.3	1949.8	1948.7	1946.9
27.5°	1908.3	1914.1	1918.7	1915.8	1912.3
30°	1871.4	1876.6	1883.5	1878.3	1874.9
32.5°	1825.9	1835.7	1842.0	1835.7	1830.5
35°	1780.3	1788.4	1794.1	1785.5	1778.6
37.5°	1725.0	1734.8	1739.9	1727.8	1720.3
40°	1666.7	1676.5	1679.4	1663.8	1654.0
42.5°	1600.4	1611.4	1612.5	1590.6	1579.7
45°	1529.5	1539.3	1535.3	1509.9	1498.4
47.5°	1452.8	1459.8	1451.1	1425.2	1412.5
50°	1368.7	1372.7	1362.3	1331.8	1319.7
52.5°	1279.9	1279.3	1266.0	1235.5	1222.2
55°	1182.5	1177.8	1163.4	1132.9	1121.9
57.5°	1082.7	1068.3	1052.7	1026.8	1012.4
60°	968.0	957.0	943.2	917.2	906.3
62.5°	859.6	840.0	828.5	805.4	795.6
65°	738.0	720.1	710.9	695.3	682.0
67.5°	615.7	601.9	595.5	584.6	572.5
70°	492.4	488.3	484.9	474.5	467.0
72.5°	383.4	382.2	381.7	375.9	368.4
75°	284.8	286.5	287.7	282.5	276.2
77.5°	202.9	205.8	205.2	202.4	200.6
80°	132.6	134.9	136.6	133.8	133.8
82.5°	80.1	82.4	81.9	83.0	80.7
85°	39.8	41.5	41.5	40.9	40.4
87.5°	14.4	15.0	14.4	15.0	14.4
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)