

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: P506858

Luminaire Tested: **24PD-80-PW1-L930**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506858
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-80-PW1-L930
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

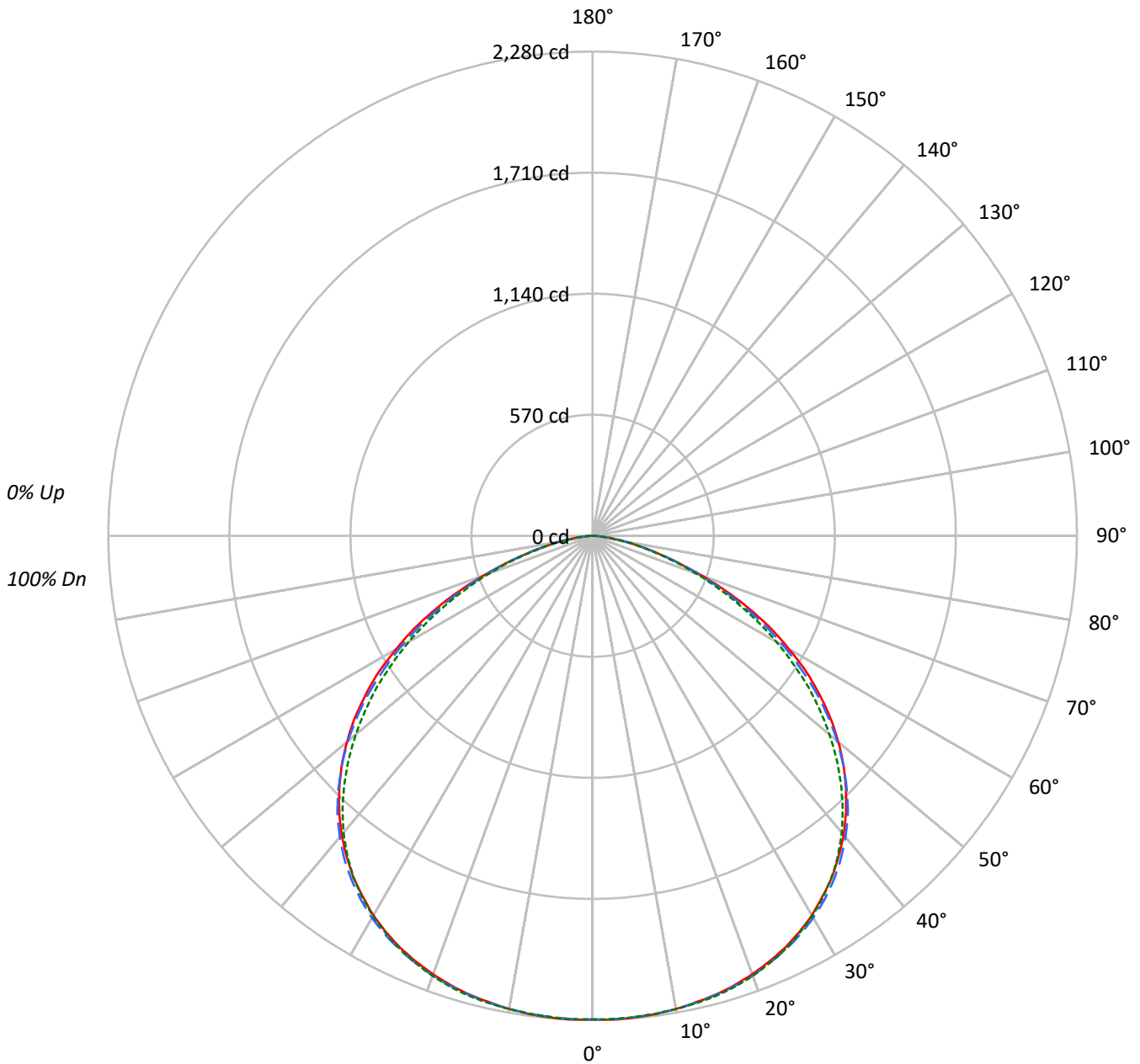
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6680.0 lumens
Efficiency: N/A
Efficacy: 109.2 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): 61.2
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				20				
RC	80				70				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°	3065	3065	3065
5°	3076	3072	3072
10°	3091	3091	3092
15°	3116	3119	3125
20°	3146	3156	3158
25°	3179	3193	3188
30°	3207	3228	3213
35°	3226	3251	3222
40°	3229	3254	3205
45°	3210	3222	3145
50°	3160	3145	3047
55°	3060	3010	2903
60°	2873	2800	2690
65°	2592	2496	2395
70°	2137	2104	2026
75°	1633	1650	1583
80°	1134	1168	1143
85°	678	707	687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	3.2
10°-20°	633.3	9.5
20°-30°	990.4	14.8
30°-40°	1231.9	18.4
40°-50°	1294.6	19.4
50°-60°	1136.4	17.0
60°-70°	773.8	11.6
70°-80°	341.4	5.1
80°-90°	61.5	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°	1840.4	27.6
0°-40°	3072.4	46.0
0°-60°	5503.4	82.4
0°-90°	6680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2278	2278	2278	2278	2278	
5°	2277	2277	2275	2272	2275	217
15°	2237	2240	2239	2239	2244	632
25°	2141	2147	2151	2150	2148	987
35°	1964	1973	1979	1970	1962	1227
45°	1687	1698	1694	1666	1653	1299
55°	1304	1299	1283	1250	1238	1162
65°	814	794	784	767	752	802
75°	314	316	317	312	305	344
85°	44	46	46	45	44	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2277.9	2277.9	2277.9	2277.9	2277.9
2.5°	2280.5	2279.2	2277.9	2276.0	2277.9
5°	2277.3	2276.7	2274.7	2272.2	2274.7
7.5°	2272.2	2272.2	2270.3	2268.4	2269.7
10°	2262.7	2264.6	2262.7	2260.8	2263.3
12.5°	2249.9	2253.1	2252.5	2252.5	2254.4
15°	2237.2	2239.8	2239.1	2239.1	2243.6
17.5°	2219.4	2222.6	2223.2	2224.5	2227.1
20°	2197.2	2201.6	2204.2	2203.5	2205.4
22.5°	2171.1	2176.2	2178.1	2179.4	2178.1
25°	2141.2	2146.9	2150.7	2149.5	2147.6
27.5°	2105.0	2111.3	2116.4	2113.2	2109.4
30°	2064.3	2070.0	2077.6	2071.9	2068.1
32.5°	2014.0	2024.8	2031.8	2024.8	2019.1
35°	1963.8	1972.7	1979.0	1969.5	1961.9
37.5°	1902.7	1913.5	1919.3	1905.9	1897.6
40°	1838.5	1849.3	1852.5	1835.3	1824.5
42.5°	1765.4	1777.4	1778.7	1754.5	1742.5
45°	1687.1	1698.0	1693.5	1665.5	1652.8
47.5°	1602.6	1610.2	1600.7	1572.0	1558.0
50°	1509.7	1514.2	1502.7	1469.0	1455.7
52.5°	1411.8	1411.1	1396.5	1362.8	1348.2
55°	1304.3	1299.2	1283.3	1249.6	1237.5
57.5°	1194.3	1178.4	1161.2	1132.6	1116.7
60°	1067.7	1055.7	1040.4	1011.8	999.7
62.5°	948.2	926.6	913.8	888.4	877.6
65°	814.0	794.3	784.1	766.9	752.3
67.5°	679.2	663.9	656.9	644.8	631.5
70°	543.1	538.6	534.8	523.4	515.1
72.5°	422.9	421.6	421.0	414.6	406.4
75°	314.2	316.1	317.3	311.6	304.6
77.5°	223.8	227.0	226.4	223.2	221.3
80°	146.3	148.8	150.7	147.5	147.5
82.5°	88.4	90.9	90.3	91.6	89.0
85°	43.9	45.8	45.8	45.2	44.5
87.5°	15.9	16.5	15.9	16.5	15.9
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)