

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: P506840

Luminaire Tested: **24PD-80-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PL1-L930
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

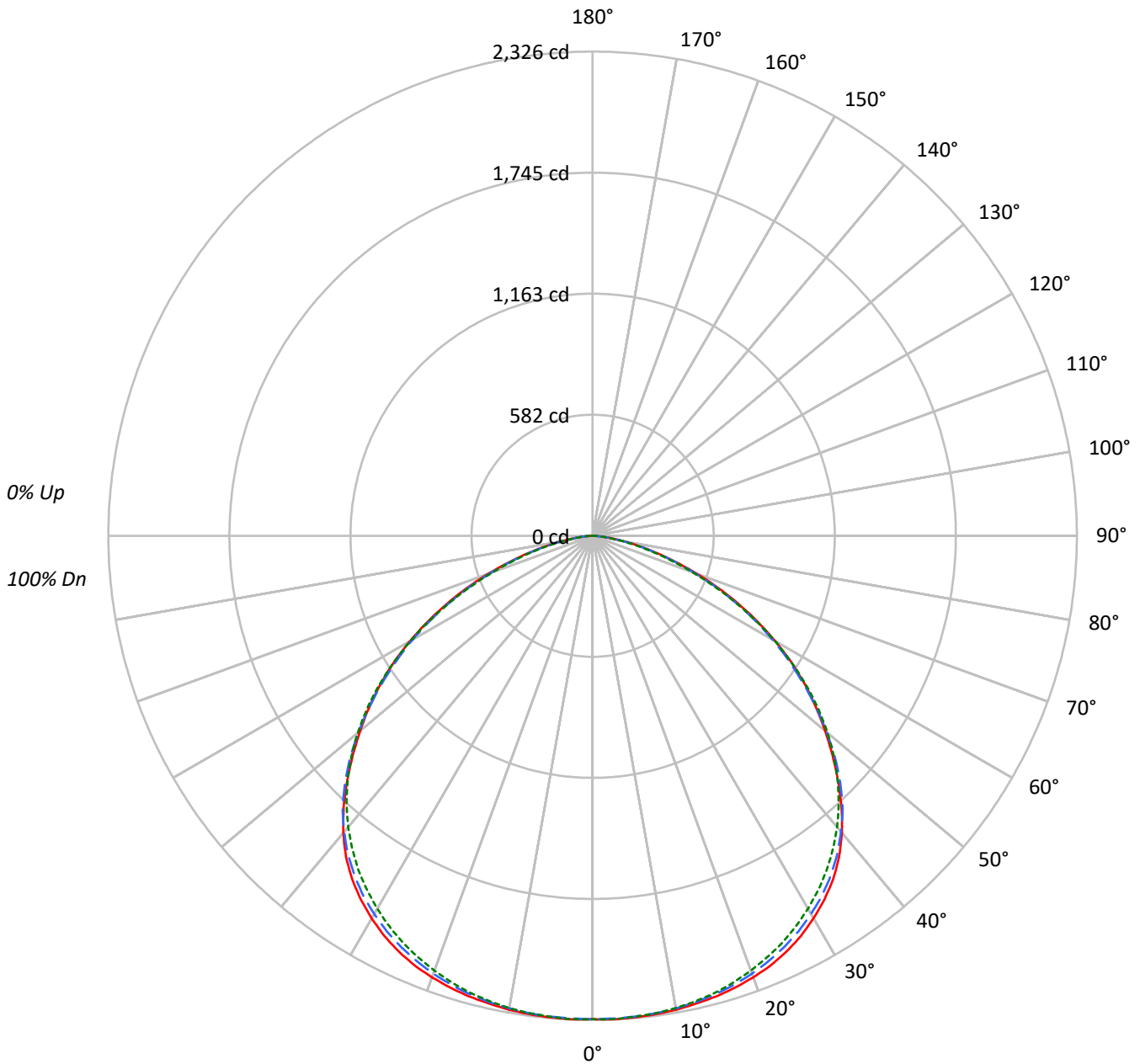
Lumens per Lamp: N/A
Luminaire Lumens: 6662.2 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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	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	48	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	33	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	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°	3125	3125	3125
5°	3137	3132	3132
10°	3158	3149	3147
15°	3192	3176	3166
20°	3232	3205	3182
25°	3271	3234	3201
30°	3297	3259	3214
35°	3308	3275	3220
40°	3273	3260	3208
45°	3173	3202	3167
50°	3050	3072	3083
55°	2918	2895	2939
60°	2729	2685	2719
65°	2456	2407	2405
70°	2091	2044	1996
75°	1646	1610	1544
80°	1178	1143	1079
85°	698	687	638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.0	3.3
10°-20°	644.6	9.7
20°-30°	1004.8	15.1
30°-40°	1243.4	18.7
40°-50°	1289.0	19.3
50°-60°	1109.9	16.7
60°-70°	753.0	11.3
70°-80°	336.0	5.0
80°-90°	60.4	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°	1870.5	28.1
0°-40°	3113.9	46.7
0°-60°	5512.8	82.7
0°-90°	6662.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6662.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2322	2322	2322	2322	2322	
5°	2322	2319	2319	2319	2319	221
15°	2291	2285	2280	2275	2273	648
25°	2204	2195	2179	2163	2156	1016
35°	2014	2008	1994	1972	1960	1257
45°	1667	1675	1683	1676	1664	1285
55°	1244	1244	1234	1248	1253	1109
65°	771	775	756	748	756	763
75°	317	319	310	303	297	344
85°	45	46	44	44	41	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2322.4	2322.4	2322.4	2322.4	2322.4
2.5°	2325.6	2320.5	2321.1	2321.7	2324.3
5°	2322.4	2319.2	2318.6	2318.6	2319.2
7.5°	2318.6	2314.8	2314.1	2313.5	2313.5
10°	2311.6	2307.8	2305.2	2303.9	2303.3
12.5°	2302.0	2297.6	2294.4	2291.9	2290.0
15°	2291.2	2284.9	2279.8	2274.7	2272.8
17.5°	2276.0	2270.2	2261.3	2253.1	2249.9
20°	2256.9	2251.2	2238.4	2227.0	2222.5
22.5°	2234.6	2226.4	2210.5	2197.7	2191.4
25°	2203.5	2195.2	2178.7	2162.8	2156.4
27.5°	2167.2	2159.6	2141.8	2122.7	2115.1
30°	2122.1	2117.0	2097.9	2076.9	2068.7
32.5°	2071.8	2066.7	2050.2	2026.7	2017.1
35°	2014.0	2008.2	1993.6	1972.0	1960.5
37.5°	1945.3	1943.4	1929.4	1907.1	1896.3
40°	1863.2	1867.1	1856.3	1837.2	1826.4
42.5°	1769.8	1778.0	1778.0	1760.2	1749.4
45°	1667.4	1675.0	1682.6	1676.3	1664.2
47.5°	1562.5	1570.7	1579.6	1582.2	1572.0
50°	1456.9	1462.0	1467.7	1479.2	1472.8
52.5°	1352.0	1353.9	1352.0	1367.2	1366.0
55°	1243.9	1244.5	1234.3	1248.3	1252.8
57.5°	1131.3	1133.2	1116.7	1124.3	1133.8
60°	1014.3	1016.2	997.8	999.0	1010.5
62.5°	893.5	896.0	877.6	873.1	883.3
65°	771.4	774.6	756.1	747.8	755.5
67.5°	649.9	653.7	636.6	626.4	628.3
70°	531.6	534.8	519.5	510.0	507.5
72.5°	419.1	422.3	410.2	400.6	396.2
75°	316.7	319.2	309.7	302.7	297.0
77.5°	227.7	229.6	221.9	216.8	211.1
80°	152.0	152.6	147.5	144.4	139.3
82.5°	90.9	91.6	88.4	87.1	83.3
85°	45.2	45.8	44.5	44.5	41.3
87.5°	15.9	15.3	15.9	15.9	14.0
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)