

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: P506850

Luminaire Tested: **24PD-80-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PR1-L935
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

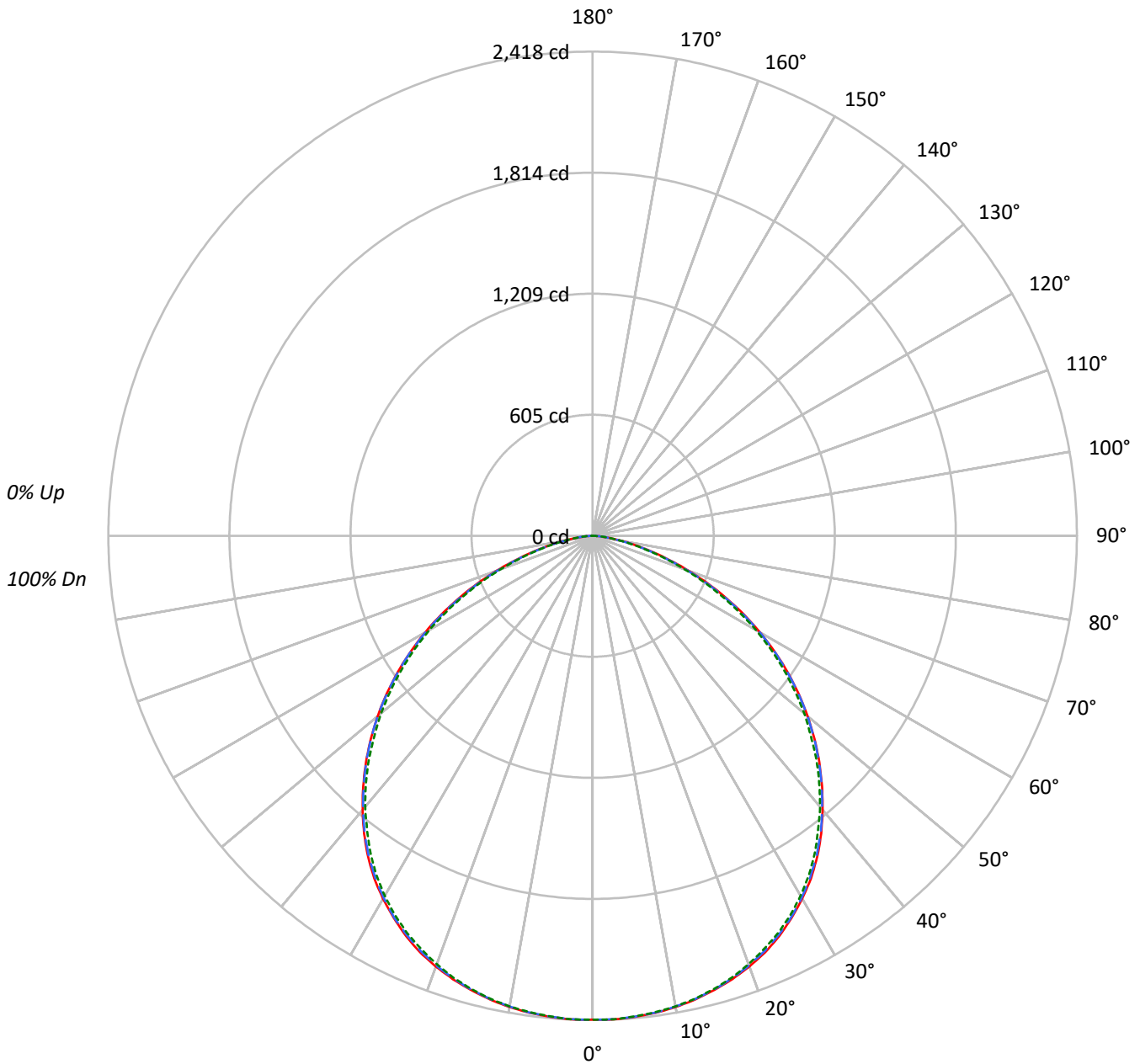
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6507.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
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	110	105	101	98	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	78	84	79	76	81	77	74	72			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3252	3252	3252
5°	3258	3256	3254
10°	3265	3261	3260
15°	3271	3267	3263
20°	3277	3269	3260
25°	3274	3265	3251
30°	3252	3243	3226
35°	3212	3202	3176
40°	3138	3130	3103
45°	3045	3041	3006
50°	2932	2931	2886
55°	2788	2782	2730
60°	2599	2588	2530
65°	2341	2313	2259
70°	1999	1969	1920
75°	1580	1544	1509
80°	1122	1093	1059
85°	675	655	636



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.4	3.5
10°-20°	662.3	10.2
20°-30°	1012.5	15.6
30°-40°	1215.9	18.7
40°-50°	1228.8	18.9
50°-60°	1055.8	16.2
60°-70°	720.2	11.1
70°-80°	323.8	5.0
80°-90°	58.2	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°	1904.2	29.3
0°-40°	3120.1	48.0
0°-60°	5404.7	83.1
0°-90°	6507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2417	2417	2417	2417	2417	
5°	2412	2411	2411	2410	2410	230
15°	2348	2348	2345	2343	2343	663
25°	2205	2205	2199	2192	2190	1016
35°	1956	1956	1949	1938	1934	1221
45°	1600	1605	1598	1587	1580	1233
55°	1188	1193	1186	1175	1164	1061
65°	735	739	727	722	710	728
75°	304	306	297	295	290	329
85°	44	44	42	42	41	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2417.0	2417.0	2417.0	2417.0	2417.0
2.5°	2417.6	2417.0	2416.4	2415.1	2417.0
5°	2412.0	2411.4	2410.8	2409.5	2409.5
7.5°	2403.3	2402.0	2402.0	2400.1	2399.5
10°	2389.5	2388.9	2387.0	2387.0	2386.4
12.5°	2372.0	2370.8	2368.9	2368.3	2367.1
15°	2348.3	2347.7	2345.2	2343.3	2342.7
17.5°	2321.5	2319.6	2317.7	2313.4	2313.4
20°	2289.0	2287.8	2283.4	2279.0	2276.5
22.5°	2251.6	2249.1	2244.1	2239.7	2234.7
25°	2205.4	2204.8	2199.1	2191.6	2189.8
27.5°	2151.7	2152.9	2147.3	2139.8	2136.1
30°	2093.0	2095.5	2087.4	2078.0	2076.2
32.5°	2028.7	2029.3	2022.5	2012.5	2008.8
35°	1955.7	1955.7	1949.4	1937.6	1933.8
37.5°	1874.5	1873.9	1870.2	1856.4	1849.6
40°	1786.5	1789.6	1782.2	1769.7	1766.6
42.5°	1695.4	1699.1	1692.3	1681.7	1674.8
45°	1600.5	1604.9	1598.0	1586.8	1579.9
47.5°	1502.5	1505.6	1500.6	1486.3	1476.9
50°	1400.8	1407.0	1400.1	1385.2	1378.9
52.5°	1295.9	1302.8	1294.6	1283.4	1271.5
55°	1188.5	1192.9	1186.0	1175.4	1163.6
57.5°	1078.0	1086.8	1075.5	1063.1	1053.1
60°	965.7	973.2	961.9	950.7	940.1
62.5°	851.4	856.4	843.9	837.1	824.6
65°	735.3	739.1	726.6	721.6	709.7
67.5°	620.5	623.6	611.7	604.9	598.0
70°	508.1	510.6	500.6	494.4	488.1
72.5°	402.0	402.6	393.3	391.4	383.9
75°	304.0	306.5	297.1	295.3	290.3
77.5°	218.5	219.1	212.9	211.6	207.2
80°	144.8	145.4	141.1	140.5	136.7
82.5°	87.4	88.0	84.3	84.3	81.8
85°	43.7	44.3	42.4	42.4	41.2
87.5°	15.0	15.6	15.0	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)