

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: P506638

Luminaire Tested: **24PD-40-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506638
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-40-PW1-L835
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

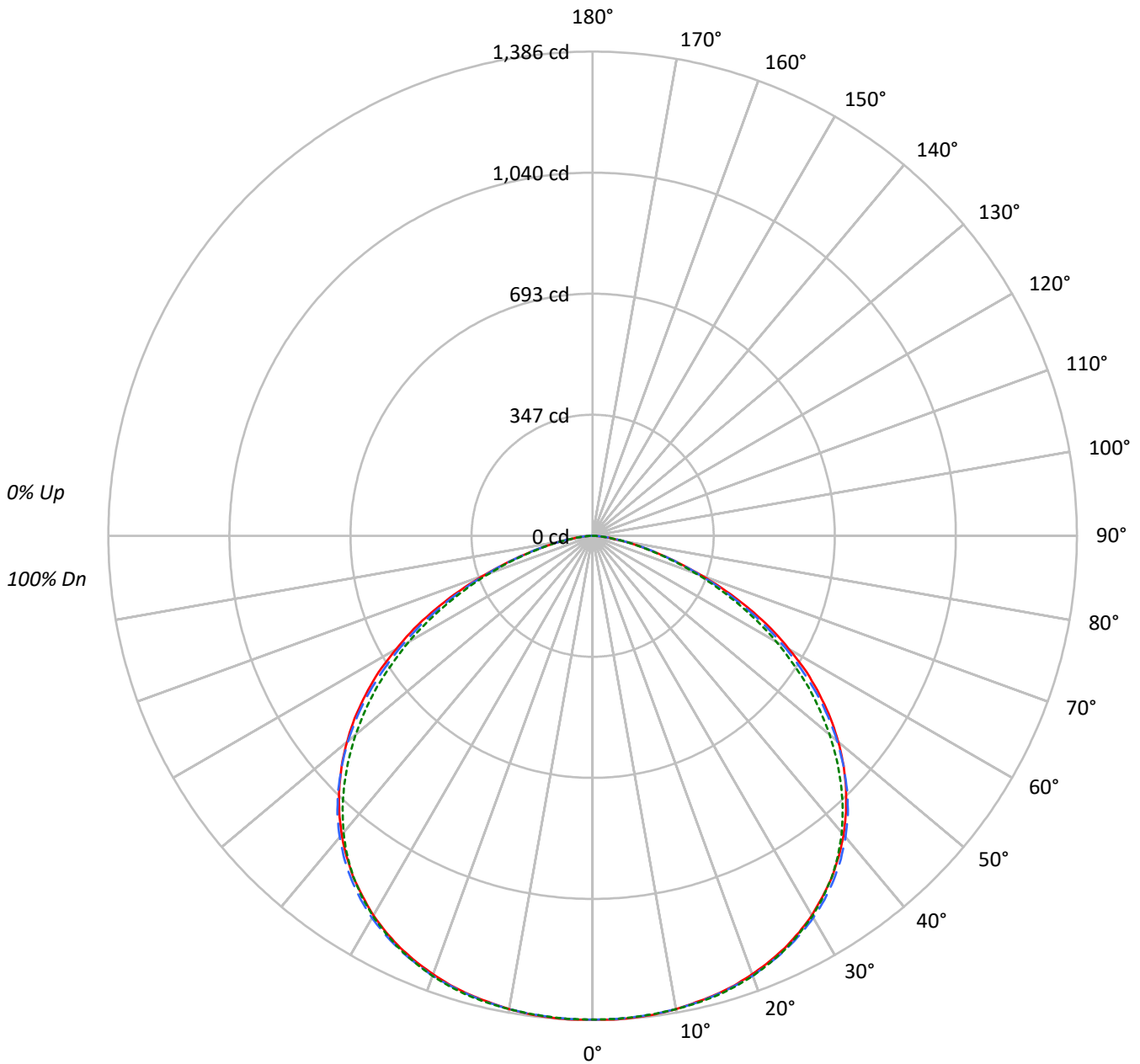
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4061.1 lumens
Efficiency: N/A
Efficacy: 138.1 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): 29.4
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°	1863	1863	1863
5°	1870	1868	1868
10°	1879	1879	1880
15°	1895	1896	1900
20°	1913	1919	1920
25°	1932	1941	1938
30°	1950	1962	1953
35°	1961	1976	1959
40°	1963	1978	1948
45°	1952	1959	1912
50°	1921	1912	1852
55°	1860	1830	1765
60°	1747	1702	1636
65°	1576	1518	1456
70°	1299	1279	1232
75°	993	1003	963
80°	689	710	695
85°	412	429	418



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	3.2
10°-20°	385.0	9.5
20°-30°	602.1	14.8
30°-40°	748.9	18.4
40°-50°	787.1	19.4
50°-60°	690.9	17.0
60°-70°	470.5	11.6
70°-80°	207.5	5.1
80°-90°	37.4	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°	1118.9	27.6
0°-40°	1867.8	46.0
0°-60°	3345.8	82.4
0°-90°	4061.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4061.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1385	1385	1385	1385	1385	
5°	1384	1384	1383	1381	1383	132
15°	1360	1362	1361	1361	1364	384
25°	1302	1305	1308	1307	1306	600
35°	1194	1199	1203	1197	1193	746
45°	1026	1032	1030	1012	1005	790
55°	793	790	780	760	752	707
65°	495	483	477	466	457	488
75°	191	192	193	189	185	209
85°	27	28	28	27	27	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1384.8	1384.8	1384.8	1384.8	1384.8
2.5°	1386.4	1385.6	1384.8	1383.7	1384.8
5°	1384.5	1384.1	1382.9	1381.4	1382.9
7.5°	1381.4	1381.4	1380.2	1379.1	1379.8
10°	1375.6	1376.7	1375.6	1374.4	1376.0
12.5°	1367.8	1369.8	1369.4	1369.4	1370.5
15°	1360.1	1361.7	1361.3	1361.3	1364.0
17.5°	1349.3	1351.2	1351.6	1352.4	1353.9
20°	1335.7	1338.5	1340.0	1339.6	1340.8
22.5°	1319.9	1323.0	1324.2	1324.9	1324.2
25°	1301.7	1305.2	1307.5	1306.8	1305.6
27.5°	1279.7	1283.6	1286.6	1284.7	1282.4
30°	1254.9	1258.4	1263.1	1259.6	1257.3
32.5°	1224.4	1231.0	1235.2	1231.0	1227.5
35°	1193.9	1199.3	1203.1	1197.3	1192.7
37.5°	1156.7	1163.3	1166.8	1158.7	1153.7
40°	1117.7	1124.3	1126.2	1115.8	1109.2
42.5°	1073.2	1080.6	1081.4	1066.7	1059.3
45°	1025.7	1032.3	1029.6	1012.5	1004.8
47.5°	974.3	978.9	973.1	955.7	947.2
50°	917.8	920.5	913.6	893.1	885.0
52.5°	858.3	857.9	849.0	828.5	819.6
55°	792.9	789.9	780.2	759.7	752.4
57.5°	726.1	716.4	706.0	688.6	678.9
60°	649.1	641.8	632.5	615.1	607.8
62.5°	576.4	563.3	555.6	540.1	533.5
65°	494.9	482.9	476.7	466.3	457.4
67.5°	412.9	403.6	399.4	392.0	383.9
70°	330.2	327.5	325.1	318.2	313.2
72.5°	257.1	256.3	255.9	252.1	247.0
75°	191.0	192.1	192.9	189.4	185.2
77.5°	136.1	138.0	137.6	135.7	134.5
80°	88.9	90.5	91.6	89.7	89.7
82.5°	53.7	55.3	54.9	55.7	54.1
85°	26.7	27.8	27.8	27.4	27.1
87.5°	9.7	10.1	9.7	10.1	9.7
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)