

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: P506603

Luminaire Tested: **24PD-35-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506603
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-35-PR1-L840
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

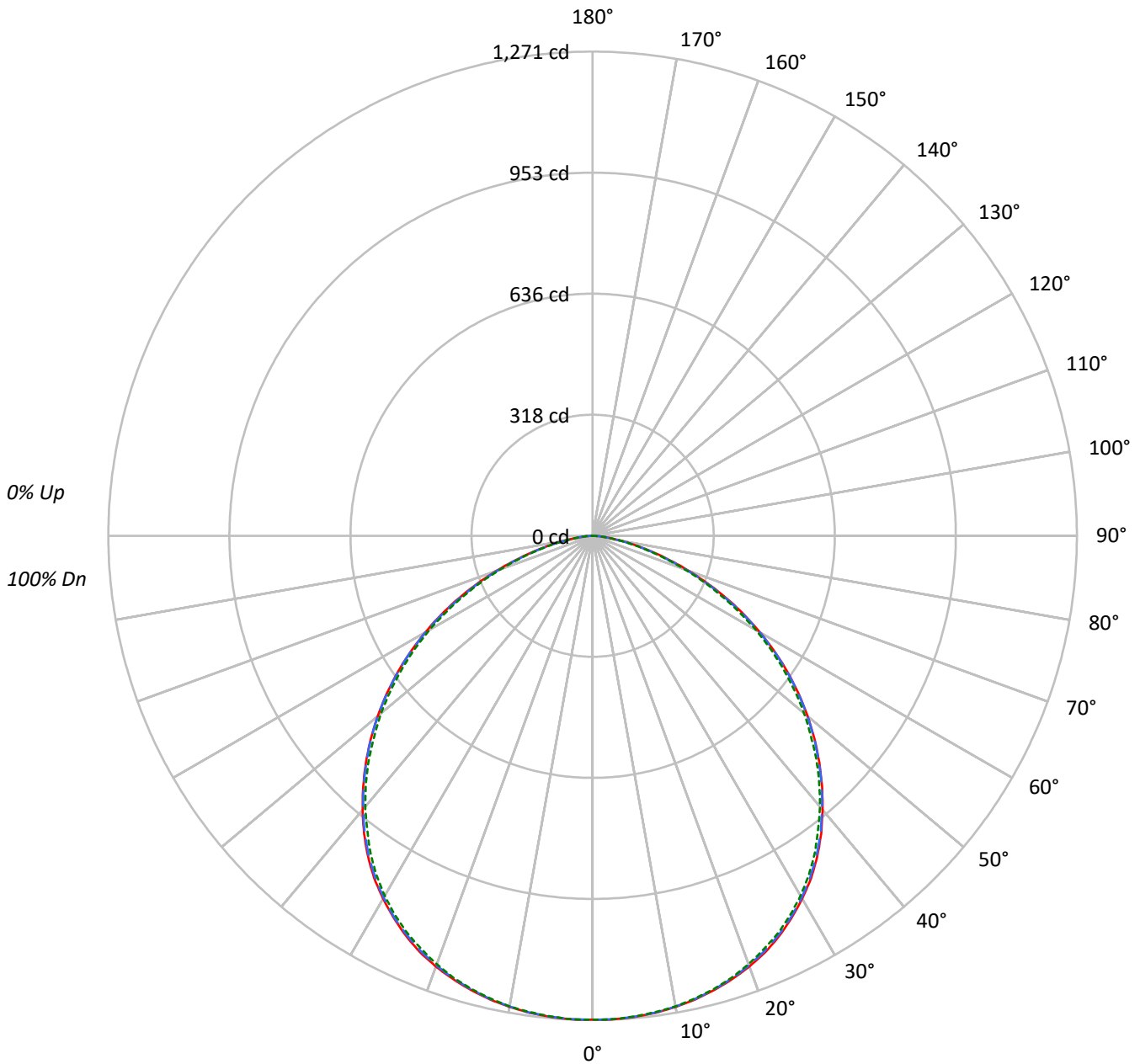
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3420.0 lumens
Efficiency: N/A
Efficacy: 135.2 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): 25.3
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	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°	1709	1709	1709
5°	1712	1711	1710
10°	1716	1714	1714
15°	1719	1717	1715
20°	1723	1718	1713
25°	1721	1716	1709
30°	1709	1704	1695
35°	1688	1683	1669
40°	1649	1645	1631
45°	1601	1598	1580
50°	1541	1540	1517
55°	1465	1462	1434
60°	1366	1361	1330
65°	1230	1216	1188
70°	1051	1035	1009
75°	831	812	793
80°	590	574	557
85°	355	344	335



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	3.5
10°-20°	348.1	10.2
20°-30°	532.2	15.6
30°-40°	639.1	18.7
40°-50°	645.8	18.9
50°-60°	554.9	16.2
60°-70°	378.5	11.1
70°-80°	170.2	5.0
80°-90°	30.6	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°	1000.9	29.3
0°-40°	1639.9	48.0
0°-60°	2840.7	83.1
0°-90°	3420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3420.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1270	1270	1270	1270	1270	
5°	1268	1267	1267	1266	1266	121
15°	1234	1234	1233	1232	1231	349
25°	1159	1159	1156	1152	1151	534
35°	1028	1028	1025	1018	1016	642
45°	841	844	840	834	830	648
55°	625	627	623	618	612	557
65°	386	388	382	379	373	382
75°	160	161	156	155	153	173
85°	23	23	22	22	22	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1270.3	1270.3	1270.3	1270.3	1270.3
2.5°	1270.7	1270.3	1270.0	1269.4	1270.3
5°	1267.7	1267.4	1267.1	1266.4	1266.4
7.5°	1263.1	1262.5	1262.5	1261.5	1261.2
10°	1255.9	1255.6	1254.6	1254.6	1254.3
12.5°	1246.7	1246.1	1245.1	1244.8	1244.1
15°	1234.3	1233.9	1232.6	1231.6	1231.3
17.5°	1220.1	1219.2	1218.2	1215.9	1215.9
20°	1203.1	1202.4	1200.1	1197.8	1196.5
22.5°	1183.4	1182.1	1179.5	1177.2	1174.5
25°	1159.1	1158.8	1155.8	1151.9	1150.9
27.5°	1130.9	1131.6	1128.6	1124.7	1122.7
30°	1100.1	1101.4	1097.1	1092.2	1091.2
32.5°	1066.3	1066.6	1063.0	1057.7	1055.8
35°	1027.9	1027.9	1024.6	1018.4	1016.4
37.5°	985.2	984.9	982.9	975.7	972.1
40°	939.0	940.6	936.7	930.1	928.5
42.5°	891.1	893.0	889.4	883.9	880.2
45°	841.2	843.5	839.9	834.0	830.4
47.5°	789.7	791.3	788.7	781.2	776.2
50°	736.2	739.5	735.9	728.0	724.7
52.5°	681.1	684.7	680.4	674.5	668.3
55°	624.7	627.0	623.4	617.8	611.5
57.5°	566.6	571.2	565.3	558.7	553.5
60°	507.5	511.5	505.6	499.7	494.1
62.5°	447.5	450.1	443.6	440.0	433.4
65°	386.5	388.5	381.9	379.3	373.0
67.5°	326.1	327.8	321.5	317.9	314.3
70°	267.1	268.4	263.1	259.8	256.6
72.5°	211.3	211.6	206.7	205.7	201.8
75°	159.8	161.1	156.2	155.2	152.6
77.5°	114.8	115.2	111.9	111.2	108.9
80°	76.1	76.4	74.1	73.8	71.9
82.5°	45.9	46.3	44.3	44.3	43.0
85°	23.0	23.3	22.3	22.3	21.7
87.5°	7.9	8.2	7.9	7.9	7.5
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)