

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: P302421

Luminaire Tested: **ZX-WO-35L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-35L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

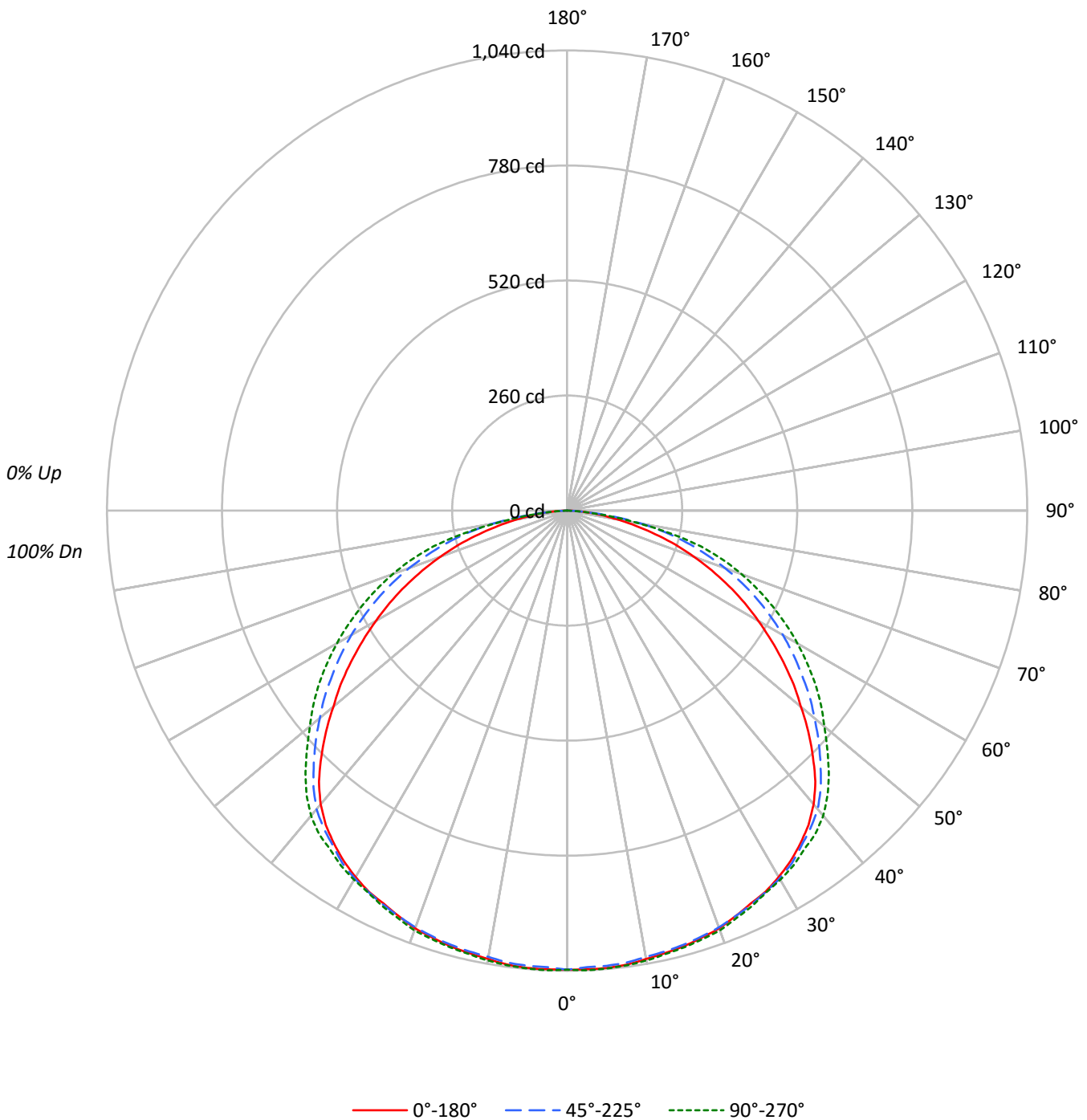
Lumens per Lamp: N/A
Luminaire Lumens: 3432.6 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.9
Input Voltage (V): 120
Input Current (Ain): 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74		81	76	72		77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		35	29	24		35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1396	1396	1396
5°	1401	1395	1403
10°	1406	1399	1411
15°	1420	1415	1423
20°	1439	1435	1446
25°	1456	1459	1465
30°	1486	1491	1497
35°	1509	1517	1535
40°	1522	1548	1582
45°	1495	1541	1592
50°	1444	1527	1588
55°	1399	1518	1607
60°	1344	1517	1618
65°	1285	1509	1632
70°	1197	1493	1650
75°	1071	1456	1626
80°	893	1343	1249
85°	673	786	655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	2.9
10°-20°	288.4	8.4
20°-30°	454.8	13.2
30°-40°	580.6	16.9
40°-50°	625.4	18.2
50°-60°	576.3	16.8
60°-70°	460.9	13.4
70°-80°	282.9	8.2
80°-90°	64.5	1.9
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°	841.9	24.5
0°-40°	1422.5	41.4
0°-60°	2624.2	76.5
0°-90°	3432.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3432.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1038	1038	1033	1039	1039	99
15°	1019	1021	1016	1022	1022	288
25°	981	982	983	988	987	454
35°	919	921	924	933	934	575
45°	786	794	810	830	836	605
55°	596	612	647	676	685	533
65°	404	430	474	503	513	399
75°	206	239	280	306	313	220
85°	44	58	51	45	42	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.6	1037.6	1037.6	1037.6	1037.6
2.5°	1037.6	1038.8	1032.7	1038.8	1040.0
5°	1037.6	1037.6	1032.7	1038.8	1038.8
7.5°	1035.2	1035.2	1030.3	1036.4	1036.4
10°	1029.1	1029.1	1024.2	1030.3	1032.7
12.5°	1024.2	1024.2	1020.6	1026.7	1026.7
15°	1019.4	1020.6	1015.8	1021.8	1021.8
17.5°	1012.1	1012.1	1009.7	1014.5	1015.8
20°	1004.9	1004.9	1002.4	1008.5	1009.7
22.5°	992.7	993.9	992.7	997.6	997.6
25°	980.6	981.8	983.0	987.9	986.7
27.5°	970.9	972.1	972.1	977.0	973.3
30°	956.4	960.0	960.0	962.4	963.6
32.5°	939.4	944.2	945.5	950.3	951.5
35°	918.8	921.2	923.6	933.3	934.5
37.5°	895.8	901.8	904.2	917.6	921.2
40°	866.7	873.9	881.2	898.2	900.6
42.5°	830.3	838.8	848.5	866.7	871.5
45°	785.5	793.9	809.7	830.3	836.4
47.5°	739.4	749.1	770.9	792.7	797.6
50°	689.7	704.2	729.7	755.2	758.8
52.5°	644.9	659.4	690.9	717.6	723.6
55°	596.4	612.1	647.3	676.4	684.9
57.5°	547.9	568.5	606.1	635.2	643.6
60°	499.4	521.2	563.6	590.3	601.2
62.5°	452.1	476.4	518.8	549.1	557.6
65°	403.6	430.3	473.9	503.0	512.7
67.5°	353.9	381.8	427.9	457.0	466.7
70°	304.2	335.8	379.4	410.9	419.4
72.5°	257.0	286.1	329.7	357.6	368.5
75°	206.1	238.8	280.0	305.5	312.7
77.5°	160.0	191.5	227.9	243.6	241.2
80°	115.2	147.9	173.3	168.5	161.2
82.5°	77.6	104.2	107.9	100.6	98.2
85°	43.6	58.2	50.9	44.8	42.4
87.5°	18.2	15.8	8.5	3.6	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)