

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: PORTFOLIO

Report Number: P246537

Luminaire Tested: **LSR8B30D010 EC8B30827 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30827 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2958.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

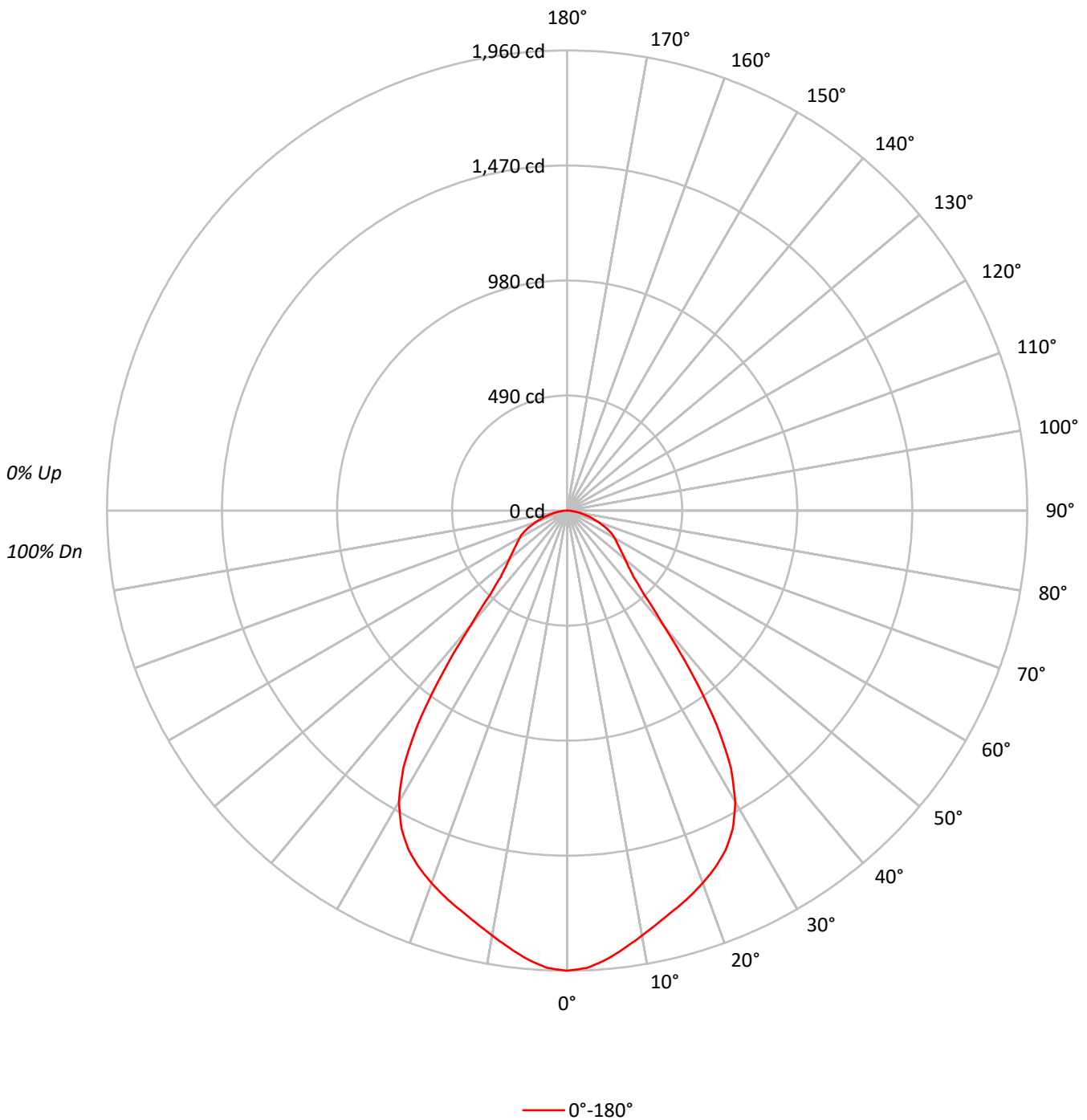
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60436
5°	59416
10°	57548
15°	56218
20°	55415
25°	54330
30°	51010
35°	41638
40°	25795
45°	17470
50°	15394
55°	14526
60°	14407
65°	13965
70°	12523
75°	10842
80°	9163
85°	7288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.6	6.1
10°-20°	497.4	16.8
20°-30°	729.4	24.7
30°-40°	666.7	22.5
40°-50°	330.1	11.2
50°-60°	244.1	8.3
60°-70°	187.6	6.3
70°-80°	97.8	3.3
80°-90°	24.4	0.8
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°	1407.3	47.6
0°-40°	2074.0	70.1
0°-60°	2648.2	89.5
0°-90°	2958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2958.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1960	
5°	1920	181
15°	1761	497
25°	1597	729
35°	1106	667
45°	401	330
55°	270	244
65°	191	188
75°	91	98
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1959.9
2.5°	1949.6
5°	1919.5
7.5°	1879.2
10°	1837.9
12.5°	1797.6
15°	1761.0
17.5°	1726.3
20°	1688.7
22.5°	1646.5
25°	1596.8
27.5°	1528.3
30°	1432.6
32.5°	1298.5
35°	1106.1
37.5°	867.8
40°	640.8
42.5°	485.0
45°	400.6
47.5°	354.6
50°	320.9
52.5°	293.7
55°	270.2
57.5°	250.5
60°	233.6
62.5°	215.8
65°	191.4
67.5°	165.1
70°	138.9
72.5°	114.5
75°	91.0
77.5°	70.4
80°	51.6
82.5°	35.7
85°	20.6
87.5°	7.5
90°	0.0

(END OF REPORT)