

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: P251022

Luminaire Tested: **LSR8B60D010 EC8B60935 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60935 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5174.0 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

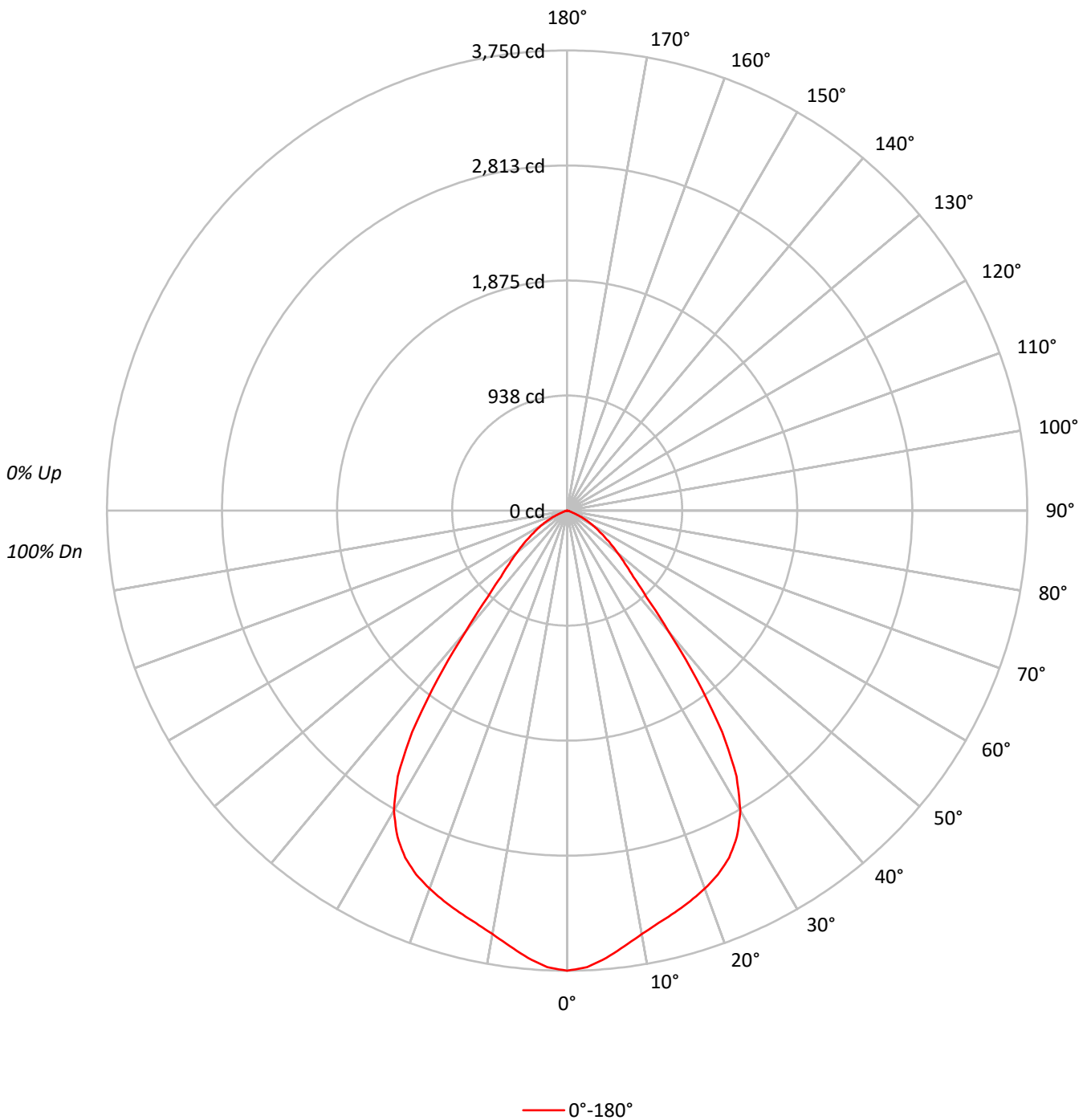
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115624
5°	113298
10°	109711
15°	108232
20°	107588
25°	106227
30°	100518
35°	82904
40°	51767
45°	33287
50°	25814
55°	19870
60°	15054
65°	9785
70°	4183
75°	2049
80°	923
85°	601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.3	6.7
10°-20°	957.8	18.5
20°-30°	1426.7	27.6
30°-40°	1324.9	25.6
40°-50°	625.8	12.1
50°-60°	336.2	6.5
60°-70°	135.0	2.6
70°-80°	21.2	0.4
80°-90°	2.1	0.0
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°	2728.7	52.7
0°-40°	4053.7	78.3
0°-60°	5015.7	96.9
0°-90°	5174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5174.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3750	
5°	3660	344
15°	3390	958
25°	3122	1427
35°	2202	1325
45°	763	626
55°	370	336
65°	134	135
75°	17	21
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3749.6
2.5°	3723.8
5°	3660.2
7.5°	3579.4
10°	3503.8
12.5°	3441.9
15°	3390.3
17.5°	3337.0
20°	3278.6
22.5°	3211.5
25°	3122.1
27.5°	2996.6
30°	2823.0
32.5°	2568.5
35°	2202.3
37.5°	1734.7
40°	1286.0
42.5°	957.6
45°	763.3
47.5°	637.8
50°	538.1
52.5°	448.7
55°	369.6
57.5°	300.9
60°	244.1
62.5°	190.8
65°	134.1
67.5°	79.1
70°	46.4
72.5°	27.5
75°	17.2
77.5°	10.3
80°	5.2
82.5°	3.4
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)