

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: P251016

Luminaire Tested: **LSR8B60D010 EC8B60850 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251016
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 EC8B60850 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6144.9 lumens
Efficiency: N/A
Efficacy: 103.3 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

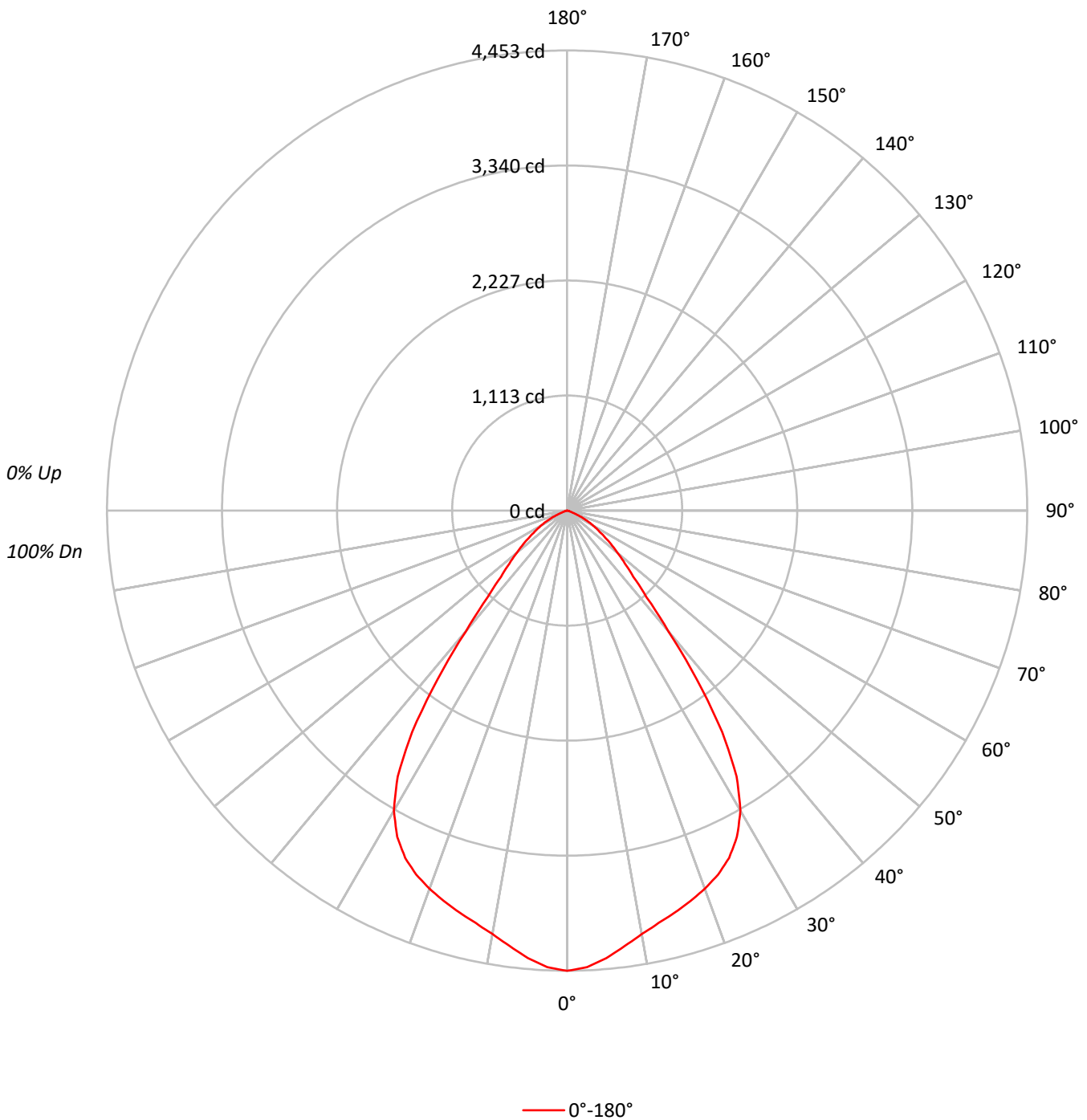
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251016

CATALOG NUMBER: LSR8B60D010 EC8B60850 8LBW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P251016

CATALOG NUMBER: LSR8B60D010 EC8B60850 8LBW0WMH

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°	137323
5°	134561
10°	130299
15°	128546
20°	127776
25°	126161
30°	119382
35°	98462
40°	61480
45°	39536
50°	30659
55°	23601
60°	17879
65°	11623
70°	4968
75°	2431
80°	1083
85°	708



TEST NUMBER: P251016

CATALOG NUMBER: LSR8B60D010 EC8B60850 8LBW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.9	6.7
10°-20°	1137.6	18.5
20°-30°	1694.4	27.6
30°-40°	1573.6	25.6
40°-50°	743.2	12.1
50°-60°	399.3	6.5
60°-70°	160.3	2.6
70°-80°	25.2	0.4
80°-90°	2.5	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°	3240.8	52.7
0°-40°	4814.4	78.3
0°-60°	5956.9	96.9
0°-90°	6144.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6144.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4453	
5°	4347	409
15°	4027	1138
25°	3708	1694
35°	2616	1574
45°	907	743
55°	439	399
65°	159	160
75°	20	25
85°	2	2
90°	0	



TEST NUMBER: P251016

CATALOG NUMBER: LSR8B60D010 EC8B60850 8LBW0WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4453.3
2.5°	4422.7
5°	4347.1
7.5°	4251.2
10°	4161.3
12.5°	4087.8
15°	4026.6
17.5°	3963.3
20°	3893.8
22.5°	3814.2
25°	3708.0
27.5°	3559.0
30°	3352.8
32.5°	3050.6
35°	2615.6
37.5°	2060.2
40°	1527.3
42.5°	1137.3
45°	906.6
47.5°	757.5
50°	639.1
52.5°	532.9
55°	439.0
57.5°	357.3
60°	289.9
62.5°	226.6
65°	159.3
67.5°	93.9
70°	55.1
72.5°	32.7
75°	20.4
77.5°	12.3
80°	6.1
82.5°	4.1
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)